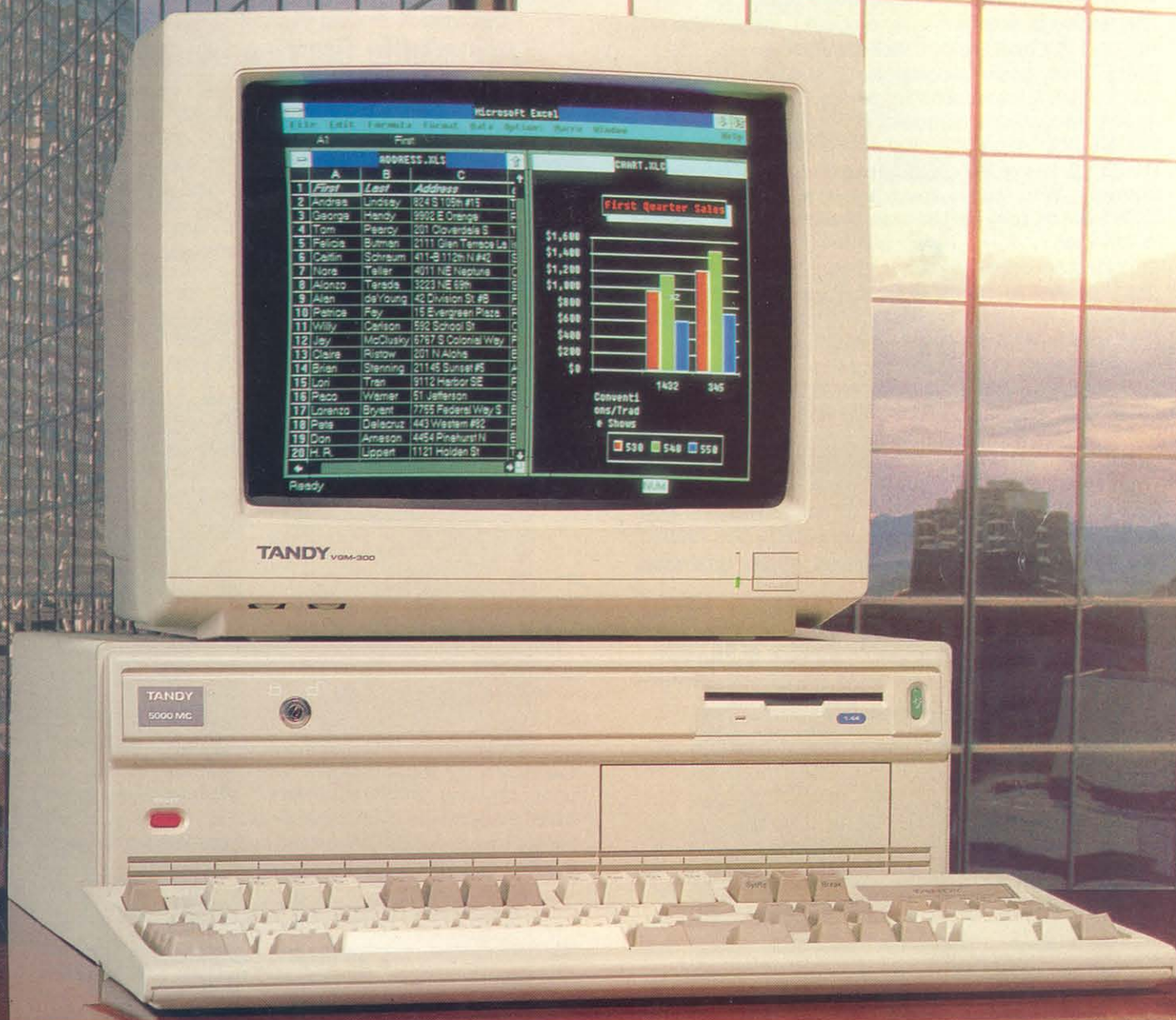


1989 Tandy® Computer Catalog



The New Tandy 5000 MC: Our most powerful 386-based computer...made in America

Tandy Computers: The #1 name in PC-compatibles, plus popular software and accessories. Backed by the best service and support in America.

Radio Shack®
COMPUTER CENTERS

A DIVISION OF TANDY CORPORATION

Tandy® Computers: Because

Technology

Tandy Computers are the best value for millions of businesses, educators and home users.

The reason is simple: quality products, competitive pricing, and the best support in the industry.

Every Tandy desktop computer is designed and built in our own USA manufacturing plants. Our high degree of vertical integration and quality control results in products that are both affordable and exceptionally dependable. The Tandy line of MS-DOS based computers is a perfect example. With mean times between failure of up to 33,000 hours, they set the standard in quality . . . as well as in value.

Tandy's product development and engineering teams are also helping to make software easier to use. The graphics-oriented format of our popular DeskMate® program can now be found in a variety of software.

This innovation in software, coupled with a cooperative spirit among major software developers, is helping to usher in a new generation of user friendliness.

And to ensure a smooth transition into computing, we're seeing to it that American businesses receive prompt, personal attention. Representatives of our Business Products Division stand ready to assist you and your company with professional training, service and support.

At Radio Shack, we're in business . . . for business.

Nationwide Service



In today's office, the microcomputer is as indispensable as the telephone. Radio Shack understands this and offers service responsiveness previously available only on mainframe computers, yet at a fraction of the cost.

Our 160 company-owned Radio Shack Computer Center Service Centers assure convenient service nationwide. Service is performed by employees of the same company that manufactured and sold you your computer. We strive to get your computer system "up and running" as quickly as possible.

On-Site and Carry-In Service

In most market areas, service is available at your place of business, as well as ours. At our Business Products Service Centers, you can bring in your computer for routine service performed while you wait.

Affordable Service Contracts

For protection against unexpected repair costs, add one of our service contracts to your computer. Carry-in and on-site service contracts let you create a truly versatile service program to suit your specific needs. In effect, these plans extend the limited warranty of your computer on parts and labor.

Total Support



Our customer support organization ensures that you and your company receive maximum benefit from your computer investment. Our nationwide team of support experts provides you with the most comprehensive range of support services in the industry.

Support Services

We offer system installation, training and support at your site, plus telephone support and system administrator services. You get help when and where you need it for improved business efficiency. Visit your local Computer Center and ask for details or pick up a copy of our Computer Training and Support brochure.

Training

Our training programs are unequaled in the industry. Letting us teach you about your computer system shortens and smoothes that period of "becoming compatible with each other." In addition, on-site computer instruction with training tailored to your specific needs is available from our Customer Training and Support Centers located in 37 major market areas.

there is no better value.™

Specialized Services



With our exclusive Express Order service, a huge selection of software is as close as a phone call! Our 1989 Express Order Software Reference Guide lists more than 850 programs, organized by MS-DOS, XENIX, MS OS/2, TRSDOS and Color Computer applications. Just choose the programs you want, call our toll-free number and charge your purchase to a major credit card. We'll send your software direct to you. It's just that easy—and fast! See page 51 for additional information, or ask for your free copy of the Express Order Software Buyer's Guide (RSC-20S) at any Radio Shack Computer Center.

Software for Education

Radio Shack offers software that teachers most often request when integrating computers into their curricula or when providing for administrative solutions. Refer to The 1989 Radio Shack Educational Products Guide RSC-20E (see inside back cover).

Tandy Computer Leasing

We offer a 37-month true lease on computer systems. There is a 30-day trial period in which to evaluate your computer system on the job. Software, installation, training, taxes and some other normally "non-financeable" costs can be included in the lease, too. And, at lease expiration, you have the option to acquire the equipment at Fair Market Value, or to return the equipment without additional cost.



A Variety of Credit Options

Radio Shack makes it easy for individuals and businesses to enjoy the latest in computer and telephone technology. The Radio Shack ValuePlus (RSVP) revolving credit program offers you a personal line of credit that is separate from your other accounts. Your application may be approved in a matter of minutes. Budget your purchases with monthly payments, or pay your balance in full and avoid finance charges for the current billing cycle. Actual payments may vary depending upon your RSVP account balance. We also honor major credit cards, including American Express, Carte Blanche, Diners Club, Discover, MasterCard and Visa. In addition, 30-day term invoicing is available for qualified commercial and institutional organizations. Ask for details at your nearby Radio Shack Computer Center.

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For Information on Volume Purchasing**

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INTRODUCING THE TANDY 5000 MC

Our Most Powerful 386™
Based Computer
System Ever

NEW
FOR **89** **4999⁰⁰**

Monitor and mouse not included.
Lease for Only \$180 Per Month*

- 20 MHz Intel® 80386 Microprocessor
- 2MB RAM, Expandable to 16MB
- Intel 82385 Memory Cache Controller
- Built-In VGA Graphics, as Well as MCGA, CGA and EGA
- Displays up to 256 Colors, 64 Shades of Gray
- Five IBM® Micro Channel™ Expansion Slots, Plus Two Dedicated Memory Slots
- Built-in 1.44MB 3 1/2" Disk Drive, Plus Three Front-Panel Device Slots
- High-Speed/High-Capacity Disk Drive Options
- 80387 Coprocessor Socket
- Supports MS-DOS®, MS® OS/2 and SCO® XENIX® Operating Systems



The Tandy 5000 MC is the new alternative in personal computing. Operating at 20 MHz, the 5000 MC's 80386 microprocessor efficiently manages big jobs. To provide the fastest possible memory access, the 5000 MC includes the Intel 82385 Memory Cache Controller. This controller, together with the 32K of high-speed RAM permits virtually instantaneous access from system memory. You can add a 20 MHz Intel 80387 math coprocessor for even faster calculations.

The Tandy 5000 MC comes equipped with the latest high-resolution video graphics array (VGA) for extraordinary graphics and crystal-clear text. VGA lets you display up to 256 colors from a palette of over 256,000. Using a monochrome monitor, 64 shades of gray are available for remarkable contrast. VGA also supports CGA, EGA and MCGA graphics and text.

The Tandy 5000 MC features IBM Micro Channel-compatible architecture. At the heart of this architecture is a new bus design that expands the data path to a full 32 bits. This design also allows multiple microprocessors to use the same bus. Intelligent peripherals will be able to operate without burdening the CPU. The effect is to optimize throughput between I/O devices and the CPU for unprecedented performance.

Because of its remarkable performance and storage capabilities, the 5000 MC is a natural as the hub of a multiuser system, or as the file server in a 3Com® office workgroup. Using SCO XENIX 386, the 5000 MC will support up to 32 data terminals. This configuration lets your entire office share the 5000 MC's power in a truly cost-efficient environment. And in a 3Com workgroup environment, office users with other PCs can access the 5000 MC's enormous data-storage capabilities with unprecedented speed.

The Tandy 5000 MC comes equipped with a built-in 1.44MB 3 1/2" disk drive. There's room inside for a second 3 1/2" drive (or hard drive) and two 5 1/4" floppy, hard or tape drives. Ex-

tremely flexible, the 5000 MC lets you choose from ST-506, ESDI or ultra-high-performance SCSI technology. The 5000 MC comes with 2 megabytes of RAM. And with two dedicated memory slots, you can expand all the way up to 16MB of memory. There are also five IBM Micro Channel-style card slots available (two 32-bit and three 16-bit). These support IBM Micro Channel-compatible adapters for modems, network, communications and more.

One of the most welcome characteristics of the 5000 MC is its small footprint. This neat, ergonomical design fits easily on a desktop (an optional floorstand is available). The enhanced 101-key keyboard features tactile feedback, ensuring typing accuracy. A serial/parallel interface comes standard, as well as a mouse port. A keylock is also included for case-lock security. There's even a front-accessible reset button.

Tandy 5000 MC. 2MB RAM. 25-6000 4999.00
Tandy 5000 MC with 19ms 40MB Hard Disk 6499.00
Tandy 5000 MC with 16ms 80MB Hard Disk 6999.00

SPECIFICATIONS. Microprocessor: Intel 80386. Clock Speed: 20 MHz. Math Coprocessor: Optional Intel 80387. 20 MHz clock speed. Memory Cache: Intel 82385 Memory Cache Controller with 32K static RAM. Maximizes memory processing (95% of processor requests at 0 wait states). System Memory: 2MB standard, expandable to 16MB via two dedicated, high-speed 32-bit memory slots. Video Support: VGA graphics built in. VGA graphics provide up to 256 colors from a palette of over 256,000 and 64 shades of gray (monochrome). Also includes support for MCGA, EGA and CGA modes. Mass Storage Devices: Built-in 1.44MB 3 1/2" floppy disk drive. A second internal 3 1/2" floppy or hard drive may be added. Two additional 5 1/4" device slots allow installation of an internal 5 1/4" floppy disk drive (1.2MB or 360K), a tape drive, or hard disk drive options. Keyboard: Ergonomic, 101-key enhanced keyboard with tactile feedback. 12 function keys, separate numeric keypad. Expansion Slots: Five standard IBM Micro Channel card slots (two 32-bit, three 16-bit), plus two 32-bit dedicated memory slots. Standard Interfaces: Mouse port, asynchronous communications port (RS-232 serial), parallel printer port. Real-Time Clock: Built-in real-time clock with battery backup. Operating Systems: Optional MS-DOS 3.3, MS OS/2 and SCO XENIX 386. Power Supply: 192 watts (exceeds power requirements of system, even when fully configured). U.L. listed. Dimensions: 6 1/8 x 17 x 15 1/2". Certification: FCC Class A.

TANDY 5000 MC EXPANSION OPTIONS

Math Coprocessor

NEW! Intel 80387 Math Coprocessor-20. Coprocessor performs fast and highly accurate mathematical calculations. Operates at 20 MHz. User installable.
90-2193 1195.00

New High-Performance Operating Systems

MS-DOS 3.3 and BASIC. I/O performance improvements. Supports multiple DOS disk partitions.
25-4109 119.95

MS OS/2 1.0. Breaks the 640K DOS memory barrier. This new multitasking operating system permits simultaneous execution of multiple OS/2 applications. 25-4100 325.00

SCO XENIX 386. Supports 386 virtual memory, demand paging, binary compatibility to all XENIX applications.
90-1570 795.00

SCO XENIX Development System. Write "C" and assembly-language programs. 386 "C" compilers support 32-bit code. Powerful DOS cross-development environment programs for DOS and XENIX. 90-1571 795.00

SCO XENIX Text Processing System. Contains tools for the preparation of large documents. 25-5202 199.95

Microsoft® Windows 386. Work with DOS and Windows applications simultaneously and transfer data between them. Graphical user interface. Handy set of desktop applications.
25-5111 195.00

Memory Expansion Options

NEW! 0K Memory Expansion Adapter. Allows memory expansion of up to 8MB.
25-6030 99.95

1MB Memory Kit. Use with the Memory Expansion Adapter (25-6030) to add up to 4MB. Includes four 256K SIMMs.
25-5031 649.00

Choose from a Variety of Powerful Mass Storage Options

Hard Disk Storage

NEW! SCSI Host Adapter. The highest-performance Micro Channel-to-SCSI host adapter in the industry. Data rates up to 64 megabits per second. A single board will support up to three internal storage devices of various kinds. Supports SCSI hard drives listed on page 9. 25-6060 399.95

NEW! ESDI Controller-MC. Provides data transfer up to 10 megabits per second total throughput. Supports two hard disk drives. 25-6050 429.95

NEW! 140-Megabyte ESDI Hard Disk Kit. 18ms access time. Requires ESDI Controller (25-6050). 25-4151 1999.00

NEW! Hard Drive Controller-MC. ST-506 MFM Controller provides 460KB per second total throughput. Use with drives below or any ST-506 drives—see page 9.
25-6040 379.95

NEW! 40MB 19ms Hard Disk. Requires Hard Drive Controller (25-6040). 25-4140 1299.00

NEW! 80MB 16ms Hard Disk. Requires Hard Drive Controller (25-6040). 25-4141 2299.00

Floppy Disk Drives

NEW! 1.44MB Floppy Disk Drive. 25-4053 279.95

5 1/4" 1.2MB Disk Drive Kit. 25-4050 299.95

5 1/4" 360K Disk Drive Kit. 25-4051 199.95



New VGA Video Monitors

A VGM-300 RGB Analog Monitor. 14" screen displays 320 x 200 graphics in 256 colors or 640 x 480 in 16 colors. With .31 mm dot pitch. 25-4042 629.00

B VGM-200 RGB Analog Monitor. 14" screen displays 320 x 200 graphics in 256 colors or 640 x 480 in 16 colors. With .42 mm dot pitch. 25-4041 499.95

C VGM-100 Monochrome Analog Monitor. 14" non-glare screen displays 64 shades of gray. 25-4040 199.95

New Low Price! Microsoft Serial Mouse. Gives added flexibility to programs. Use it to interface to popular graphics-based applications such as DeskMate, Microsoft Windows and PageMaker. Was \$199.95 in Cat. RSC-19.
90-2116 150.00

Communications Options

NEW! Computone®-MC 8-Port Expansion. An intelligent 8-port multiuser board designed for use with IBM Micro Channel style bus architecture. Allows up to 32 users or devices on the Tandy 5000 MC when used under SCO XENIX 386.
90-2286 1295.00

NEW! 3Com EtherLink™/MC. Allows the 5000 MC to become the file server/workstation in a 3Com office workgroup. Includes an on-board transceiver for cost-effective and convenient connection to thin Ethernet 10-megabit/second baseband coaxial network. 90-1670 595.00

NEW! Ven-Tel® 2400-bps Internal Modem-MC. See page 30 for description. 90-2198 449.00

Tape Cartridge Systems

NEW! 150MB Internal SCSI Tape Cartridge System. Operates at 1:1 interleave for maximum performance. Transparent flaw management. Simple setup. Requires SCSI Host Adapter (25-6060). 25-4169 1299.00

New Low Price! 40MB Internal Tape Cartridge System. Automatically sets its data transfer rate to obtain maximum performance without changing the transfer rate setting. Was \$699.00 in Cat. RSC-19.
25-4069 549.00

NEW! Archive VP Tape Drives. Each combines the functions of streaming-cartridge tape and intelligent controller in a compact space-saving enclosure. Each system requires the Archive-MC Tape Host Adapter (90-2464).

Archive 60MB External Tape Cartridge System.
90-2461 1295.00

Archive 150MB Internal Tape Cartridge System.
90-2462 1395.00

Archive 150MB External Tape Cartridge System.
90-2463 1795.00

Archive-MC Tape Host Adapter.
90-2464 299.00

Intel/Reg. TM and 386/TM Intel Corp. IBM/Reg. TM and Micro Channel/TM IBM Corp. 3Com/Reg. TM 3Com Corp. SCO/Reg. TM/The Santa Cruz Operation. MS-DOS, MS and XENIX/Reg. TM Microsoft Corp. Computone/Reg. TM Computone Systems, Inc. EtherLink/TM 3Com Corp. Ven-Tel/Reg. TM Ven-Tem, Inc.

TANDY 4000 & NEW TANDY 4000 LX

20 MHz Tandy 4000 LX

NEW
FOR 89

3999⁰⁰

Lease for Only
\$145 Per Month*

Monitor and display
adapter not included

- Intel® 80386 Microprocessor
- 20 MHz Clock Speed and 32-Bit Data Path for Minicomputer Performance
- MS® OS/2 Ready for the Next Generation in Software
- Supports the SCO® XENIX® Multiuser Operating System
- 3 1/2" Disk Drive Stores 1.44 Million Characters Per Disk

16 MHz Tandy 4000

2599⁰⁰

Lease for Only
\$95 Per Month*

Monitor and display adapter not included

- A Price Breakthrough in High-Performance 80386 Technology
- 16 MHz Clock Speed and 32-Bit Data Path
- 3 1/2" 1.44MB Floppy Disk Drive
- MS OS/2 Ready ■ Supports XENIX

For superb 80386 power and performance at a surprisingly affordable price, look to the Tandy 4000 family. It's so cost effective, you can actually configure a 386 system for what you'd expect to pay for a competitor's 286 model. And when used with the XENIX operating system, your Tandy 4000 LX or Tandy 4000 can become the heart of a multiuser operating system.

The Tandy 4000 LX's 80386 microprocessor operates at 20 MHz clock speed, with a 32-bit data path. Ordinary PCs operate at 4.77 MHz with an 8-bit data path, so you can imagine the improvement in performance. Indeed, when tested with the Norton Computing Index, a well-known performance standard, the Tandy 4000 LX hit an index of "22.0." To put that in perspective, an IBM® PC XT™ registers "1.0."

The Tandy 4000's 80386 microprocessor operates at 16 MHz. When tested with the Norton Computing Index, the Tandy 4000 hit an index exceeding "17."

The 80386 microprocessor can function in three modes. In the real mode, it runs PC and AT software. This software will come alive with incredible 16 to 20 MHz clock speed. When used with the new MS OS/2 operating system, the protected mode will allow multitasking between applications. Virtual mode will deliver the full potential of the 80386 processor under new operating systems such as SCO XENIX 386.

The Tandy 4000 LX and Tandy 4000 each feature a 1.44 MB 3 1/2" disk drive, with room for two more internal drives—either 3 1/2", 5 1/4", hard disk or disk cartridge. There's a real-time clock, enhanced keyboard and keylock, plus a socket for an 80387 math coprocessor. One megabyte of RAM is provided in the 4000, while the 4000 LX comes standard with two megabytes. Using one-megabyte chips allows expansion to 16 megabytes. System expansion is provided by one 32-bit slot, six AT®-style slots and two XT-style slots (one used for serial/parallel adapter, included with the system).

Because of their remarkable performance levels, both the 4000 LX and the 4000 are naturals when used as the hub of a multiuser system, or as the file server in a 3Com® office workgroup. Using SCO XENIX 386, the 4000 LX will support

multiple data terminals. This lets your entire office share the power of a 4000 in a truly cost-efficient environment.

The Tandy 4000 LX and 4000 also make outstanding file servers in a 3Com workgroup, providing fast information to other PC compatibles in your office. Using a 4000 in a workgroup makes it easy to share information, update files in a common data base and route messages and other mail. People in your office will still be able to work independently, but they'll have the advantage of working together as a group.

Tandy 4000 LX. 20 MHz clock speed. 2MB RAM.

25-5100 3999.00

Tandy 4000. 16 MHz clock speed. 1MB RAM.

25-5000 2599.00

When purchased as a system with hard drive and controller:

Tandy 4000 LX with 40MB 28ms Hard Disk 5199.00

Tandy 4000 with 40MB 28ms Hard Disk 3799.00

See pages 8 and 9 for related accessories and expansion options, and information on MS-DOS and MS OS/2 operating systems and Microsoft Windows 386.

SPECIFICATIONS

Microprocessor: Intel 80386 processor with 32-bit data path. **Clock Speed:** Tandy 4000 LX, 20 MHz. Tandy 4000, 16 MHz. Real-time clock with battery backup. **Operating Systems:** Optional MS-DOS 3.3 with BASIC, MS OS/2 and XENIX 386. **Memory:** Tandy 4000 LX, 2 megabytes RAM (expandable to 16 megabytes using expansion slots). Tandy 4000, 1 megabyte RAM (expandable to 16 megabytes using expansion slots). **Keyboard:** 101-key enhanced keyboard, including separate cursor and numeric pad, 12 function keys, special keys include ESCape, Num Lock, Alt, Ctrl, Caps Lock, Prt Sc, Sys Rq, Scroll Lock, Up, Down, Right and Left arrows. Retractable legs, 6-ft. coiled cable. **Video Display:** Optional high-resolution, non-glare, non-interlaced 12" monochrome (green) or 14" CGA, EGA or VGA monitors. **Disk Drive:** Built-in 3 1/2" 1.44MB floppy disk drive. On-board high-capacity floppy controller supports two floppy 3 1/2" or 5 1/4" drives. Drive storage is expandable to include two additional internal 3 1/2" or 5 1/4" floppy, hard disk, disk cartridge or tape backup systems. **Internal Expansion:** Eight plug-in expansion slots (six AT and two XT), plus a 32-bit expansion slot for high-performance memory. Optional 80387 math coprocessor can be added. **External Connections:** Serial and parallel printer ports. **Dimensions:** (H x W x D) 6 1/2 x 19 x 18". **Weight:** 47 lbs. **Power Requirements:** Input: 120 VAC, 60 Hz. Output: 192 watts. U.L. listed. **Certification:** Tandy 4000 LX, Class A. Tandy 4000, Class B.

OUR NEWEST 80286 TANDY 3000

Introducing the Affordable Tandy 3000 NL

NEW
FOR 89

1699⁰⁰

Lease for Only \$60 Per Month*

Monitor and display
adapter not included

- 10 MHz Intel 80286 Microprocessor
- Built-In 3 1/2" Disk Drive Stores 1.44MB on a Single Disk
- Four Front-Panel Device Slots
- MS OS/2 Ready for the Next Generation in Software
- Seven Expansion Slots, Plus a High-Performance Memory Expansion Slot
- Ideal for Use in a 3Com Office Communications Workgroup
- Protective Keyboard and Chassis Lock
- Comes with Enhanced Keyboard



The Tandy 3000 NL is the latest edition of our ever-popular Tandy 3000 series. It can give you the power to manage your business as a stand-alone base system or as a high-performance network workstation. And if you're already using MS-DOS based computers and want to expand with more power for less money, the Tandy 3000 NL is a natural. It's the affordable AT/XT compatible.

Operating at 10 MHz, the Tandy 3000 NL's advanced 16-bit 80286 microprocessor gives you high performance with today's software—and even more later on. That's because the 3000 NL can use the new MS OS/2 operating system. Programs designed for OS/2 will allow for greater utilization of memory and can be run simultaneously for most efficient use of your valuable time.

But because the 3000 NL also uses the industry-standard MS-DOS operating system, you can run the hottest names in software—all readily available off the shelf. Choose from advanced word-processing packages, heavy-duty database management, accounting software and more.

And because we know how quickly your business can grow, we made sure the Tandy 3000 NL had room for fast, low-cost expansion. It comes standard with seven expansion slots. An additional high-performance slot is provided for memory expansion. For storage, the 3000 NL is equipped with a built-in 3 1/2" 1.44MB floppy disk drive. Expand with a second 3 1/2" drive and you'll still have room for two 5 1/4" front-panel devices—either floppy or hard disk, tape cartridge, or a combination. An optional 80287 math coprocessor can be added for high-speed numerical operations as well.

Used in a 3Com Workgroup, the 3000 NL lets you communicate with other MS-DOS computers in your office. Users and departments are able to work together more effectively than ever before. Send memos, accounting reports and other important messages via computers. In a workgroup environment, the Tandy 3000 NL allows your employees to work together more effectively as a team, as well as individuals.

And for better office efficiency, the Tandy 3000 NL features a built-in real-time clock with battery backup for automatic date

and time stamping of all jobs, process control and other time-sensitive applications. The keyboard features 101 sculptured keys and includes a numeric-entry keypad. For your protection, the Tandy 3000 NL also has keyboard and chassis locking. Bidirectional parallel printer port and RS-232 serial port connections are included as well.

For AT/XT compatibility with more power and versatility, at a much lower cost, this is the middle-priced computer for your business needs.

Tandy 3000 NL.

25-4072 1699.00

When purchased as a system with hard drive and controller:

Tandy 3000 NL with 20MB Hard Disk 2499.00

Tandy 3000 NL with 40MB 40ms Hard Disk 2699.00

See page 8 and 9 for related accessories and expansion options, and for information on MS-DOS and MS OS/2 operating systems.

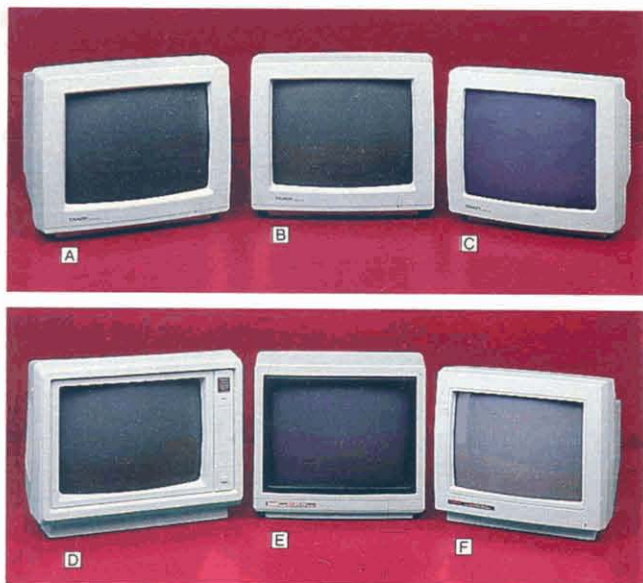
SPECIFICATIONS

Microprocessor: Intel 80286 processor with 16-bit data path. **Clock speed:** 10 MHz. Real-time clock with battery backup. **Operating Systems:** Optional Microsoft MS-DOS 3.3 with BASIC, MS OS/2. **Memory:** 512K RAM with parity. By using the expansion slots, memory is expandable to 16 megabytes. **Keyboard:** 101-key enhanced keyboard, including separate cursor and numeric pad, 12 function keys. Special keys include ESCape, Num Lock, Alt, Ctrl, Caps Lock, Prt Sc, Sys Rq, Scroll Lock, Up, Down, Right and Left arrows. Retractable legs, 6-ft. coiled cable. **Video Display:** Optional high-resolution, non-glare, non-interlaced 12" monochrome (green) or 14" CGA, EGA or VGA monitors. **Disk Drives:** Built-in 3 1/2" 1.44MB floppy disk drive. On-board high-capacity floppy controller supports two floppy 3 1/2" or 5 1/4" drives. Drive storage is expandable to include two 3 1/2" plus two 5 1/4" floppy, hard disk, disk cartridge or tape backup systems. **Internal Expansion:** Seven plug-in expansion slots (four AT and three XT), plus a high-performance memory expansion slot—10 MHz, 1 wait-state operation. Optional 80287 10 MHz math coprocessor can be added. **External Connections:** Bidirectional parallel printer port and RS-232 serial port. **Dimensions:** (H x W x D) 6 1/4 x 15 3/4 x 17". **Weight:** 33 lbs. **Power Requirements:** Input: 120VAC, 60 Hz. Output: 135 Watts. U.L. listed. **Certification:** FCC Class B.

*On Our Commercial Lease (Plus Applicable Use/Sales Tax).

Intel/Reg. TM Intel Corp. MS, MS-DOS and XENIX/Reg. TM Microsoft Corp. SCO/Reg. TM The Santa Cruz Operation. IBM and AT/Reg. TM and PC XT/Reg. TM IBM Corp. 3Com/Reg. TM 3Com Corp.

MONITORS AND EXPANSION



Take Your Choice of Monitors

- A NEW! VGM-300 RGB Analog Monitor.** Supports VGA. 14" screen displays 320 x 200 graphics in 256 colors or 640 x 480 in 16 colors. With .31 mm dot pitch. 25-4042 629.00
- B NEW! VGM-200 RGB Analog Monitor.** Supports VGA. 14" screen displays 320 x 200 graphics in 256 colors or 640 x 480 in 16 colors. With .42 mm dot pitch. 25-4041 499.95
- C NEW! VGM-100 Monochrome Analog Monitor.** Supports VGA. 14" screen displays 64 shades of gray. 25-4040 199.95
- D EGM-1 Monitor.** 14" screen displays 640 x 200 graphics in 64 colors or 640 x 350 in 16 colors. 25-4035 699.00
- E CM-11 RGBI Color Monitor.** 13" screen displays 80 x 25 text, 640 x 200 graphics. 25-1024 399.95
- F VM-5 Monochrome Monitor.** 12" screen displays 80 x 25 text, 720 x 350 graphics. 25-3011 149.95
- NEW! EGA/CGA Graphics Adapter.** Combines on a single card the text, graphics and color capabilities of EGA, CGA, MDA, the Plantronics™ and Hercules™ Monochrome. 25-3048 249.95
- NEW! VGA Adapter.** Use with VGM-100/200/300 Analog Monitors for incredible shading and resolution. Supports color selection for 256,000 colors. 25-4043 399.95

101-Key Enhanced Keyboard



119⁹⁵

Streamlined ergonomic design. Twelve function keys, separate numeric keypad, LED indicators for Num Lock, Caps Lock and Scroll Lock. 25-4038 119.95

Powerful Operating Systems

- NEW! MS-DOS® 3.3/BASIC.** I/O performance improvements. 25-4109 119.95
- NEW! MS® OS/2 1.0.** Breaks the 640K DOS memory barrier. New multitasking operating system executes multiple OS/2 applications simultaneously. Requires minimum of 2MB RAM. For Tandy 4000/3000. 25-4100 325.00
- NEW! Microsoft® Windows 386.** Work with DOS and Windows applications simultaneously and transfer data between them. Graphical user interface. For Tandy 4000 LX. 25-5111 195.00

Versatile Mouse Controllers



- A 3-Button Logitech Serial Mouse (25-Pin M).** Combines sophisticated technology with a high-performance user interface. Microsoft compatible. 26-1200 99.95
- B 3-Button Logitech Serial Mouse (9-Pin F).** As above, with a 9-pin format. 26-1199 99.95
- C Tandy Serial Mouse (9-Pin F).** Microsoft compatible! Works with DeskMate, Microsoft Windows and other PC-compatible software. 25-1040 49.95
- D NEW! Anti-Static Mouse Pad.** Provides consistent traction for optimum accuracy. 26-237 6.95

Tandy 3000/HL/NL Memory Upgrades

- 128K Parity Memory Kit.** Increases Tandy 3000 HL/NL memory to 640K. 25-4082 79.95
- NEW! 512K Memory Kit.** Use with Memory Expansion Adapter (25-6030) to add 512K increments up to 2MB on a Tandy 3000 NL. Includes two 256K SIMMs. 25-4028 349.95
- NEW! 2MB SIMM Kit.** Use with Memory Expansion Adapter (25-6030) to add 2MB increments up to 8MB on a Tandy 3000 NL. Includes two 1MB SIMMs. 25-4029 1299.00
- NEW! Zero K Memory Expansion Adapter.** Allows memory expansion of up to 8MB. 25-6030 99.95
- 2MB Memory Expansion Adapter.** For Tandy 3000/3000 HL. Comes standard with 1MB installed. 25-4030 699.00
- 256K Parity Memory Kit.** Expand 25-4030 above from 1MB to 2MB (requires four kits). 25-3062 149.95

Tandy 4000/4000 LX Memory Upgrades

- Zero K Memory Expansion Adapter.** Allows memory expansion of up to 8MB. 25-5029 179.95
- 1MB Memory Kit.** Add to Tandy 4000 for expansion to 2MB. Add additional kits to expand to 4MB using the Memory Expansion Adapter (25-5029). Includes four 256K SIMMs. 25-5031 649.00
- 2MB SIMM Kit.** Use with Memory Expansion Adapter (25-5029) to add 2MB increments up to 8MB on the Tandy 4000 LX. Includes two 1MB SIMMs. 25-5131 1499.00

Math Coprocessors

- 16 MHz Intel® 80387 Math Coprocessor.** For the Tandy 4000. (See page 28.) 90-2131 795.00
- 20 MHz Intel 80387 Math Coprocessor.** For the Tandy 5000 MC/4000 LX. (See page 28.) 90-2193 1195.00

Expansion Adapters

- Serial Parallel Adapter.** Add a second serial/parallel adapter to connect a second printer or increase your communications capability with an additional modem. For Tandy 1000/3000/4000. User installable. 25-4034 149.95
- Dual-Port Serial Adapter.** Add two serial ports to your Tandy 1000/3000/4000. Uses DB-9 connectors. User installable. 25-4039 99.95

Installation of Some Expansion Items Recommended (Not Included). IBM/Reg. TM IBM Corp. Plantronics/TM Plantronics, Inc. Hercules/TM Hercules Computer Technology, Inc. Microsoft, MS, MS-DOS and XENIX/Reg. TM Microsoft Corp. SCO/Reg. TM/The Santa Cruz Operation.

STORAGE & EXPANSION UPGRADES

Floppy Disk Kits

5 1/4" 1.2MB Disk Drive Kit for Tandy 3000/4000.	
25-4050	299.95
5 1/4" 360K Disk Drive Kit for Tandy 3000/4000.	
25-4051	199.95
3 1/2" 1.44MB Disk Drive Kit for Tandy 3000/3000 HL/4000/4000LX.	
25-4052	299.95
NEW! 3 1/2" 1.44MB Disk Drive Kit for Tandy 3000 NL/5000 MC.	
25-4053	279.95

Hard Disk Drive Kits

NEW! 40MB Hard Disk Card. Get 40 megabytes of hard-disk storage on a user-installable card. Mounts in a 10" or full-size card slot. For the Tandy 1000/3000/4000.	
25-4059	799.00
NEW! ST-506 Hard Drive Controller. An industry-standard hard disk controller is ideal for high-volume situations such as multitasking or networking applications. Supports internal hard drives listed below for Tandy 3000/4000 families.	
25-4058	249.95
New Low Price! Hard/Floppy Drive Controller. Was \$349.95 in Cat. RSC-19.	
25-4060	299.95*
20MB Hard Disk Kit. Average access time of 65 milliseconds.	
25-4062	599.00*
NEW! 40MB, 40ms Hard Disk Kit.	
25-4057	799.00*
New Low Price! 40MB 28ms Hard Disk Kit. Ideal for high-volume situations such as multiuser or networking applications. High performance of less than 28 milliseconds average access time. Was \$1399.00 in Cat. RSC-19.	
25-4061	999.00*
NEW! 70MB Hard Disk Kit. Space-efficient 5 1/4" half-height configuration lets you increase capacity up to 140 megabytes by using two drives in the space normally reserved for a single drive. Operates at an average access time of 24 milliseconds.	
25-4067	1499.00*

*Installation recommended (not included).

NEW! High-Performance SCSI Hard Disk Storage Systems

16-Bit SCSI Host Adapter. The highest-performance 16-bit AT-to-SCSI host adapter in the industry. Data rates up to 10MB per second. A single board will support up to three internal storage devices of various kinds. Easy to install in any internal drive slot. Unlike conventional hard drives, there are no flaws on the SCSI drive medium. Supports hard drives listed below for the Tandy 3000/4000 family.

25-4161 299.95

SCSI Hard Drives. Supported in MS-DOS or add to your 386 XENIX system for true multitasking disk capability. Operates at 1:1 interleave for maximum performance. Transparent flaw management. Simple setup.

40MB 3 1/2" SCSI Hard Disk Kit. Average access time of 19 milliseconds, with a data-transfer rate of 2.8MB per second.

25-4159 999.00

80MB 5 1/4" SCSI Hard Disk Kit. Average access time of 19 milliseconds, with a data-transfer rate of 2.8MB per second.

25-4160 1499.00

170MB 5 1/4" SCSI Hard Disk Kit. Average access time of 16.6 milliseconds, with a data-transfer rate of 1.5MB per second.

25-4162 2499.00

150MB 5 1/4" SCSI Tape Cartridge System. Data-transfer rate of 0.8MB per second. Uses 1/4" tape cartridge (26-1391).

25-4169 1299.00

*REVOLVING CREDIT AVAILABLE—See Page 3. Installation of Some Expansion Items Recommended (Not Included). DEC/Reg. TM Digital Equipment Corp.

UNIX/Reg. TM AT&T. Bernoulli/TM IOMEGA, Inc.

Data Display Terminal

695⁰⁰

Low As
\$35 Per
Month*



- 14" High-Resolution Screen
- 80/132 Columns x 26 Lines
- XENIX Compatible

DT-100. Fully compatible with most DEC® and UNIX®-based software systems. Features green display screen, a high-resolution character set (28 ASCII), 16 programmable keys, cursor control keys and numeric pad. Terminal configuration is set from the keyboard. UL listed. 26-6052 695.00

Serial-to-Parallel Converter. 26-1198 99.95

Multiuser Expansion Adapters

4-User Serial Adapter. Allows Tandy 3000/4000 to support up to four serial devices. Has on-board processor for added performance. For use with the XENIX operating system. User installable. 25-4031 299.95

NEW! Arnet Smartport-8 Serial Adapter.
90-2186 1295.00

NEW! Arnet Smartport-4 Serial Adapter. 90-2185 995.00

Multiuser SCO® XENIX® 386

NEW! SCO XENIX 386 for the Tandy 4000. Supports 386 virtual memory, demand paging, binary compatibility to all XENIX applications. 25-5200 795.00

NEW! SCO XENIX 386 Development System for the Tandy 4000. Write "C" and assembly-language programs.
25-5201 795.00

NEW! SCO XENIX 386 Text Processing System. Contains tools for the preparation of large documents.
25-5202 195.00

Internal 20MB Disk Cartridge System

1299⁰⁰

NEW LOW
PRICE!

Was \$1799.00 in Cat. RSC-19

Cartridges Are Removable for Unlimited Storage



The Bernoulli™ technology provides hard disk capacity and performance with the convenience of floppy disks. Also makes an ideal backup system. 25-4064 1299.00

40MB Internal Tape Cartridge System

549⁰⁰

NEW LOW
PRICE!

Was \$699.00 in Cat. RSC-19

- Dual Transfer Rates
- Ideal for the Tandy 3000 and Tandy 4000



The first backup tape system to optimize hardware and software performance, reliability and price. Automatically sets its data transfer rate to work with either the Tandy 4000 or 3000. Obtain maximum performance without changing the transfer rate setting. 25-4069 549.00

TANDY WORKGROUP SOLUTIONS



People and PCs Working Together™: The Tandy Workgroup Solution—How It Can Work For You.

Now you can use your PC to share information with colleagues, update files in a common database and route communications electronically. That's because Radio Shack can provide the right workgroup solution to meet your computing and communications needs. We deliver high-speed performance, IBM® compatibility, remote connectivity and enhanced functionality using industry standards. Radio Shack handles installation, training, total support and service. The reputation and support of Radio Shack is unsurpassed. We provide the performance, standards and expandability that assure your initial investment will be maintained now and as your workgroup grows. Find out how your business can benefit from a Radio Shack workgroup today.

3Com Workgroups

A 3Com workgroup consists of seven major components that interact in harmony so you can use your available personal computers to share access to data and intercommunicate electronically. There are network servers, the user workstations, the interface cards, the cables, the network software for both servers and workstations, the application software, and peripherals (one of the shared resources that make networking so cost-effective).

- A server is a computer with a hard disk that is dedicated to serve a network function. The Tandy 5000MC, 4000 and 3000 with hard disk drives can function as servers. Tape backup is highly recommended for data and file security.

- The workstation can be a Tandy 5000MC, 4000, 3000 or a 1000 TL/SL.

- There are two kinds of software: network software and applications software. 3Com's network software falls into two categories: server and user. The base product—and a requirement for all other optional 3+ software—is 3+Share.

- Finally, you'll be amazed at how easy it is to utilize the workgroup. Any of the multiple users simply requests an application from the network server. The server electronically passes the application to the user's workstation. The application is loaded automatically into memory and ready to run. This allows users not only to share data and communicate with each other, but a workgroup also allows users to share expensive resources like disks and printers for greater cost-effectiveness in your business environment.

SCO™ XENIX® Workgroups

The SCO XENIX multiuser office system is ideal for small business applications. It lets you provide computing power to numerous people in your office without buying separate systems.

XENIX is a state-of-the-art operating system which is derived from AT&T's thoroughly field-tested UNIX® system. The XENIX "core" (or runtime package) includes the modules required to easily implement and operate this system.

Using SCO XENIX, all data can be conveniently stored on the Tandy 5000MC's or 4000's hard disk. Files can then be shared by all users in the system, or restricted to certain users. (Record locking prevents two users from writing to the same record at the same time). And everyone in the system can share the peripherals, from printers to plotters to modems.

Think of the possibilities . . . your sales department could check inventory levels while someone in accounting updates your general ledger—at the same time someone is working on the payroll! No more work slowdowns because someone is 'monopolizing' the computer. And now there is an extensive variety of multiuser software available so that you can develop the multiuser system that will accommodate all of your specific business applications needs.

Come in to your nearest Radio Shack Computer Center for complete details on acquiring a fast, efficient multiuser system for your business that will save you time, effort and money from the moment you go on line.

TandyLink and the DeskMate Workgroup Companion

Now there's a simple, affordable approach to PC workgroups. TandyLink™ and the DeskMate Workgroup Companion is a workgroup designed specifically for small offices, generating productivity and efficiency without heavy investment. Applications include file transmission, electronic mail, shared calendar, shared phone list, and shared use of remote printers. Includes state-of-the-art graphical interface for simplified learning, dialogue boxes and pull-down menus for streamlined operation. And all functions can be done through the keyboard or a mouse. No dedicated file server is needed. A DeskMate workgroup is user installable and operates easily on Tandy and other IBM PC-compatibles.

ViaNet™ Workgroups

With ViaNet, the workgroup solution gives your office word processing, electronic mail, spreadsheets, database and accounting solutions while sharing programs, data and costly peripherals. The software is resident at each station, so the network operates as a global supervisor, without requiring a "master" station. Most important, ViaNet is as easy to use as a stand-alone computer. Operating system commands work precisely the same as in a stand-alone environment. Each computer in the system requires an Arcnet Datalink Board. Installation recommended (not included). ViaNet requires 128K more RAM than is required for applications and MS-DOS.

WORKGROUP COMPONENTS



NEW! 3Com Servers

3S/401 386 Server. Provides file, print and communications services for workgroups requiring high performance.
26-5552 14,495.00

150MB Disk Expansion.
90-1626 4995.00

150MB Disk.
90-1627 3495.00

2MB Memory Expansion.
90-1628 1795.00

3S/202 Server. Gives your network file, print and communication services at a moderate price.
90-1662 10,495.00

100MB Disk Expansion.
90-1612 3995.00

100MB Disk Option.
90-1613 2495.00

Port Expansion Board.
90-1615 525.00

3Com Software

3Com's 3+ networking software products, designed to integrate (not merely "bolt on") to other networking products, provide high performance and many features giving you a reliable network operating system for all of your business data and communications needs.

3+Share 1.2.1 (5 users).
26-5510 595.00

3+Share 1.3.1
90-1616 2100.00

NEW! 3+Mail 1.3.
26-5515 595.00

3+Share User Guide.
26-5512 35.00

3+Mail User Guide.
26-5513 25.00

3+Menus How To Guide.
26-5514 10.00

3+Route.
90-1600 1250.00

3+Remote Server.
90-1601 495.00

3+Remote PC.
90-1602 295.00

3+TurboShare.
90-1603 295.00

3+Start.
90-1604 295.00

3+Share Administrator's Guide.
90-1607 70.00

3+Theory of Operations.
90-1609 30.00

3+NetConnect.
90-1610 1250.00

NEW! 3+Macintosh®.
90-1680 495.00

3Com EtherNet Workstations

EtherLink II™ and EtherLink Plus™ provide the necessary PC to Ethernet connections. Both boards have an on-board Transceiver which allows easy connection to an Ethernet network.

NEW! 3Station. A dedicated network workstation with highly-integrated single-board design, featuring an 8 MHz 80286 microprocessor, EGA graphics, up to 4 MB of main memory and an Ethernet connection.
26-5551 2195.00

EtherLink II™.
26-5501 445.00

NEW! EtherStart PROM II.
90-1619 49.95

NEW! EtherLink/MC.
90-1670 595.00

NEW! EtherStart/MC PROM.
90-1671 49.95

EtherLink. 90-1658 495.00

EtherStart PROM. 90-1605 49.95

EtherLink Plus. 26-5502 895.00

NEW! MultiConnect Repeater.
90-1651 1095.00

NEW! Thin Ethernet Module.
90-1652 230.00

NEW! Transceiver Module.
90-1653 175.00

PairTamer Set.
90-1655 325.00

LanScanner.
90-1656 995.00

NEW! BNC Transceiver.
90-1617 295.00

NEW! Transceiver Cable. 32-ft.
90-1618 110.00

EtherNet Cables
20-ft. 26-5530 15.95

50-ft. 26-5531 24.95

100-ft. 26-5532 39.95

Bulk. 26-5533 21¢/ft.

Terminator Kit. 26-5534 29.95

3Com TokenLink Workstations

TokenLink is an IBM Token Ring and IEEE 802.5/802.2-compatible adapter for use in a single expansion slot of a Tandy 4000, 3000 and IBM compatibles.

TokenLink.
90-1620 595.00

TokenLink Plus.
90-1614 895.00

TYPE 3 Modular Access Unit.
90-1640 395.00

MAU Power Supply.
90-1641 75.00

TYPE 3 Media Filter.
90-1642 60.00

IRMA Workstations

The IRMALAN family of products from DCA brings IRMA functionality to PCs on 3Com. The IRMALAN family gives PCs on the LAN 3270 terminal and printer emulation and file transfer capabilities.

IRMA 2.
26-5700 1195.00

IRMALAN SDLC Kit.
26-5710 1495.00

IRMALAN DFT Kit.
26-5711 1495.00

IRMALAN Convenience Kit. Adds access for five additional users to 26-5710/5711.
90-2300 1395.00

TandyLink Workstations

TandyLink PC. 26-5601 119.95

TandyLink Plus. 26-5602 119.95

6-foot Cable. 26-5610 9.95

50-foot Cable. 26-5611 24.95

Cable Extender. 26-5615 7.95

VIANET WORKGROUP SYSTEM SOFTWARE AND HARDWARE

NEW! ViaNet 3.06. Provides increased performance and print redirection from within applications.
700-2505 49.95

Standard Microsystems Corp. ArcNet PC110. 90-1685 295.00

ArcNet Active Hub. Lets you connect eight computers up to 2000 feet apart. Active Hubs can be linked.
26-6508 695.00

ArcNet Passive Hub. 26-6504 69.95

ArcNet Cable.
20-ft. 26-6510 15.95

50-ft. 26-6511 24.95

100-ft. 26-6512 39.95

Bulk. 26-6513 21¢/ft.

TokenLink, TokenLink PLUS, Etherlink, Etherlink PLUS, 3+ Share, 3+ Mail, 3+ Menus, 3+ Route, 3+ Remote Server, 3+ Remote PC, 3+ TurboShare, 3+ Start, EtherStart and 3+ Connect/ TM 3Com Corporation. ViaNet/TM Western Digital. IBM/Reg. TM International Business Machines Corp. Macintosh/Reg. TM Apple Computer Corp. DCA/Reg. TM Digital Communications Associates, Inc. ArcNet/TM Standard Micro Systems Corp.

XENIX MULTIUSER SOFTWARE

XENIX 3000/4000 Software

Open Systems Accounting Software

With Open Systems Accounting Software, you'll get fast, accurate financial information for every aspect of your business. Open Systems Software offers the general accounting applications most businesses need, as well as a variety of industry-specific applications. These application modules work together so you only have to enter the information once—every entry is automatically posted to the appropriate files. Convenient screen commands, easy-to-use menus and time-saving inquiry windows make data selection easy, improving operator efficiency and productivity. Requires appropriate Resource Manager software (90-1549 or 90-1550).

Resource Manager 286. 90-1549	695.00
Resource Manager 386. 90-1550	995.00

General Applications

General Ledger. 90-1551	795.00
Accounts Receivable. 90-1552	795.00
Accounts Payable. 90-1553	795.00
Report Writer. 90-1566	595.00
Payroll. 90-1554	795.00
Inventory. 90-1555	795.00
Sales Order Processing. 90-1556	695.00

Industry Specific Applications

Human Resource Management. 90-1557	895.00
Purchase Order Processing. 90-1563	695.00
Fixed Assets. 90-1564	695.00
Materials Management III. 90-1558	1795.00
Manufacturer's Job Costing. 90-1559	1695.00
Job Costing. 90-1567	695.00
Project Estimating. 90-1565	395.00
Time Billing. 90-1562	995.00
Retail Point of Sale. 90-1561	995.00

Productivity Software

Profile 286. An electronic filing system and applications generator based on the popular Profile 16 database manager. You can exchange or expand a system at any time without having to re-enter data. Interacts easily with word processors.

25-4212	799.00
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SCRIPSIT 286. A multiuser program allowing several users to cooperate in the preparation of a document. Print queuing and background printing allows all users to share a single high-quality printer. Includes the features of a dedicated word processor.

25-4213	499.00
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SCO Professional. Provides the functionality of Lotus 1-2-3 and more in a multiuser XENIX environment. Totally file compatible with Lotus 1-2-3 Version 1A. Programmable command execution via macros, data management tools and a unique graphics generator.

25-4214	795.00
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Tandy/XENIX Accounting Software

An economical multiuser accounting solution for small to medium-sized businesses. Excellent for conversion from the Tandy 6000 XENIX Accounting System—there's no need for your employees to learn a new accounting software system. Requires the following additional software packages (for Tandy 4000 only):

RM/COBOL Runtime. Includes Tandy/SCO Pre-Installation Set.

700-1505	499.00
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XENIX Accounting Packages

General Ledger. 25-4301	599.00
Magnetic Media Reporting. 25-4302	199.95
Payroll. 25-4303	699.00
Accounts Receivable. 25-4304	599.00
Accounts Payable. 25-4305	599.00
Order Entry/Inventory. 25-4307	599.00
Sales Analysis. 25-4308	399.00

XENIX 6000 Software Solutions

XENIX 6000 Accounting

An economical, Tandy 6000-based multiuser accounting solution for small to medium-sized businesses. Supports up to six users. Features menu-driven data file recovery. Requires the following additional software:

COBOL Conversion 2.1. 700-3351	125.00
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XENIX 6000 Accounting Packages

General Ledger. 26-6201	599.00
Payroll. 26-6203	699.00
Accounts Receivable. 26-6204	599.00
Accounts Payable. 26-6205	599.00
Magnetic Media Reporting. 26-6206	199.95
Order Entry/Inventory. 26-6207	599.00
Sales Analysis. 26-6208	399.00

XENIX 6000 Productivity Packages

SCRIPSIT 16. Allows several users to cooperate in the preparation of a document. Print queuing and background printing allow all users to share a single high-quality printer. Includes all the features of a dedicated word processor.

26-6431	499.00
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SCRIPSIT Speller. A spelling system based on the American Heritage Dictionary. Requires SCRIPSIT 16 (26-6431).

26-6434	249.00
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Productivity (cont.)

Custom Font System. Provides a variety of fonts to dot-matrix printers capable of accepting downloadable fonts. Works with XENIX version of SCRIPSIT word processing software.

26-4840	24.95
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Profile 16. An electronic filing system and applications generator based on the popular Profile Plus database manager. Interacts easily with word processors.

26-6412	499.00
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Unify 3.2. A fully relational database manager designed to run and develop sophisticated business applications which handle large amounts of data.

26-6416	999.00
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Multiplan. A popular "second generation" spreadsheet that lets you consolidate related worksheets so that information is transferred between them automatically.

26-6480	349.00
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XENIX DeskMate. Five popular applications: word processing, spreadsheet, electronic filing, electronic mail and an appointment calendar.

26-6405	299.00
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XENIX 6000 Programming Languages

FORTRAN 77. 26-6451	699.00
PASCAL-2. 26-6452	699.00
COBOL 2.1. 26-6455	699.00
Microsoft BASIC. 26-6457	299.00
BASIC Compiler. 26-6458	349.00

WORKGROUP SOLUTIONS

Paradox 2.0 LAN Pack. Allows up to six users in a workgroup environment. Users on a network can simultaneously enter, edit, query and report on information stored in a single table. Automatic file and record locking ensures data accuracy and integrity. Real-time multiuser updates let you see changes others make to a file instantaneously. Requires 640K RAM per workstation. 90-3237 995.00

Excel Node Pack. Required for each additional user on a network. With PC Excel (25-1185) installed on the network server, each user has full functionality, including read/write and password protection of data. Each user can store preferences for printers, screen types and colors, and font-set locally. Contains complete set of documentation. 90-3296 250.00

Microsoft Word 4.0 Network Version. A powerful, sophisticated word processing program with network file-locking capabilities. Share glossaries, style sheets and macros on the network to create consistent, high-quality documents. Spreadsheet linking to Lotus 1-2-3, Microsoft Multiplan and Microsoft Excel. Requires MS-DOS 3.1 or higher, file server with hard disk and one double-sided drive, and 320K RAM at each workstation (384K recommended). Each workstation requires Microsoft Word Network Node Pack (below). 90-3295 750.00

Microsoft Word Network Node Pack. 90-1638 150.00

Professional LAN Pack. Allows up to five users of Professional Write, File or Plan on a network (requires purchase of Professional File, Write or Plan—see below). Handles individual program configurations, personal dictionaries and other user files to enhance network users' productivity and facilitate effective information sharing. Multiple users can read and update a database file as long as it is not being updated or edited by another user. Assign users by specific names for authorized access in any combination of applications. Works on ViaNet and 3Com 3+. Requires 512K RAM for each workstation and MS-DOS 3.1 or higher. 90-1672 499.00

Professional Write. 25-1261 179.00

Professional File. 25-1260 249.00

Professional Plan. 25-1173 99.00

WordPerfect Network Version. Share the power and flexibility that the stand-alone version of WordPerfect is known for. Fully compatible with Novell NetWare 4.6, AST PCnet, 3Com Etherseries and the IBM PC Network. Requires WordPerfect Node Package for each workstation. 90-1673 695.00

WordPerfect Node Package. 90-1674 150.00

dBASE III PLUS LAN Pack. Conveniently and economically adds five additional PC users to a dBASE III PLUS network. Includes a dBASE Access Disk which allows five users to access dBASE on the network and three complete sets of documentation (one set within this package and the other two shipped directly to you when you register). The LAN Pack requires dBASE III PLUS (25-3191), which contains a full single-user system. The LAN Pack accesses all the same functions of dBASE III PLUS. Requires a server with 640K RAM and 384K workstations. 90-1631 995.00

Q&A Network Pack. Allows an additional three users to simultaneously use Q&A Version 3.0 on a local area network (requires purchase of Q&A, 25-1225). Supports record locking, so all users can access the same data base at the same time without endangering the integrity of your data. Users can edit, create and delete records and generate reports simultaneously. Changes made to a database are automatically updated to everyone in just seconds. Four levels of password protection ensure your data's safety. 90-1637 299.00

Network Profile. An electronic filing system and applications generator that operates under ViaNet. You can change or expand a system at any time without having to re-enter data, and create your own menus. Interacts easily with word processors. Includes a data processing language module that eliminates the need for BASIC, COBOL, C and other interfaces. Requires 512K RAM and ViaNet. 25-3201 999.00

Network Courier. Network Courier was designed to give your office the edge in multiuser technology. It allows a group of personal computers connected together over a LAN to send messages, files and programs from one user to another. Mail can be sent to individuals or broadcast to groups. Requires 384K RAM and ViaNet. 26-1228 695.00

Harmony Accounting for Single Users and Workgroups

Now, for the first time, you can link all of your computerized tasks—accounting, word processing, spreadsheets, information management, even applications that are unique to your business—in one comprehensive software system. Because all applications are linked, Harmony software lets you transfer information between modules. All Harmony modules work the same way, so you have to learn the fundamentals only once. Requires PC-compatible computers with MS-DOS 2.1 or higher, 512K RAM, one hard drive, one floppy disk drive and System Manager (25-1212). Multiuser systems require a base product plus an extension kit for each application, as well as the appropriate System Manager for the operating environment. If you are upgrading from a single-user to a multiuser environment, you need only purchase the extension kit for each application and a System Manager for the new operating environment.

System Manager. 25-1212 99.00

System Manager LAN. 90-1700 199.00

General Ledger. 25-1201 399.00

General Ledger—LAN Extension. 90-1701 200.00

Accounts Payable. 25-1205 399.00

Accounts Payable—LAN Extension. 90-1705 200.00

Accounts Receivable. 25-1204 399.00

Accounts Receivable—LAN Extension. 90-1704 200.00

Inventory. 25-1202 599.00

Inventory—LAN Extension. 90-1702 200.00

Order Entry. 25-1207 599.00

Order Entry—LAN Extension. 90-1707 200.00

Payroll. 25-1203 599.00

Payroll—LAN Extension. 90-1703 200.00

Client Accounting. 25-1206 799.00

Client Accounting—LAN Extension. 90-1706 200.00

Word Processor. 25-1211 99.00

Word Processor—LAN Extension. 90-1711 100.00

Spreadsheet. 25-1210 99.00

Spreadsheet—LAN Extension. 90-1710 100.00

Information Manager. 25-1209 199.00

Information Manager—LAN Extension. 90-1709 100.00

Import/Export Utility. 90-3336 79.00

Import/Export Utility—LAN. 90-3338 79.00

Tandy Product Profile Guide

The Tandy Product Profile Guide is available for reference at Radio Shack Computer Centers and Radio Shack Plus Computer Centers. This informative guide provides a list of features for all of the productivity, accounting, vertical market, utilities and language software available through Radio Shack—literally hundreds of entries. The guide also details hardware requirements for each program and provides feature comparisons between leading software products.

PC-COMPATIBLE SOFTWARE

Professional Word Processing Packages



New! Microsoft Word® 4.0

Now with dramatic speed improvements, Microsoft Word gives you the fastest route to great looking output. Streamlined interface and interactive tutorial speed learning. Seek help on any feature without

leaving your document. Laser printer support includes full automated handling of fonts and font sizes. With spell-check, thesaurus, spreadsheet-link, forms support, style-by-example, glossary, flexible printmerge, foot/endnotes, redlining and outline processor. Requires 384K and two double-sided floppy disk drives, or one double-sided disk drive and one hard disk. 25-1162 379.00

New! Professional Write 2.0™

Word processing for business and managerial applications. Locate, move and copy text quicker than with most other programs. Laser printer font support is pre-set for fast start-up. Also supports bold, underline, italic, super and subscript, justification and indent. Directly reads and writes other word processor formats. Includes table editing, spelling checker, thesaurus and built-in calculator. Requires 384K and two floppy disk drives. 25-1261 179.00

New! WordPerfect 5.0™

Over 30 new features including integrated text and graphics to give your documents a professionally-designed appearance. Also has many new style capabilities built in, as well as automatic referencing, intelligent printing and extensive character support. More new features include bulleted outlines, improved parallel columns, auto-redline and strikeout and improved preview. Fonts may be mixed and changed randomly without affecting margins, tabs or column definitions. The master document feature is an excellent, powerful feature that lets you combine files for generating tables of contents, lists, indexes, footnotes, endnotes, references and page numbers which can then be combined and separated from the master document as needed. Requires 512K and two floppy drives. 25-1268 449.00

SCRIPSIT PC™

Now you can prepare memos, reports or manuscripts, then print as many correction-free originals as you need. All the features of a dedicated word processor with an easy-to-use command structure using function keys. Built-in spelling checker based on *The American Heritage Dictionary* published by Houghton-Mifflin. Proportional spacing, multiple fonts, merge files, column manipulation and more. Requires two disk drives (hard disk recommended). 25-3171 299.95

Word Processing for Personal/Home Applications

Varsity SCRIPSIT™. A powerful word processing program with such a clear and easy command structure that most users of Varsity SCRIPSIT are productive the very first time they use it. Suitable for almost any task from simple reports to complex business proposals. Includes split-screen, footnoting, macros, table of contents and a spelling system based on *The American Heritage Dictionary* published by Houghton-Mifflin Company. Requires 384K (256K for MS-DOS 2.11). 25-1174 89.95

HomeWord II™. Designed with the DeskMate interface! Incredibly easy-to-use word processor. Advanced features include page layout, special text options, speed keys, automatic outlining and more. Comes complete with on-disk dictionary. 25-1266 89.95



Exciting New Custom Font Options Let You Print With Style

Font Download Utility

NEW! Font Download Utility for Tandy Laser Printers. Lets you import specialized fonts for laser-printed documents. Includes emulations of Hewlett-Packard cartridges B and F fonts. 25-1305 195.00



Custom Font System

For printers that accept downloadable fonts. Includes ten typestyles. Support: Radio Shack.
Model 4. 26-2232 24.95
Model II/12/XENIX 6000. 26-4840 24.95
PC-Compatible. 25-1158 24.95

Information Services and Communications Software

OmniTerm 2™. Turns your computer into a versatile communications workstation. Communicate with other micros, a mainframe or a XENIX system. Transfer files, access national information services and more. Requires RS-232 serial port and modem. 25-1160 129.95



NEW! PC-Link™. Uses the DeskMate interface to give you access to a full-service network with low monthly rates. With this program, you can easily use any PC-compatible computer to access stock quotes, send electronic mail to and from other personal computer users, join clubs, order products, learn programming, access national

information services and more! And there's no obligation—you may cancel anytime. Includes software and one free month of service. 25-1255 29.95

NEW! CompuServe®. Easy-to-use interactive Videotex service that requires no special knowledge of computers or programming. This full-featured software package lets you access software bulletin boards, financial transaction services, electronic shopping, news, weather and sports information, travel planning, entertainment and games, as well as provide access to a vast library of education and reference information. 25-1257 29.95

DESKTOP PUBLISHING AND MORE

New! PageMaker™ 3.0 Publishing Software

Helps eliminate the costly and time-consuming tasks of graphic design by including everything you need to design, layout and produce your own publications. Now with three new popular PCL fonts which can be sized from 4 to 128 points and include math symbols, international characters, and special characters such as trademark and copyright symbols. Requires 640K hard disk, EGA or Hercules-compatible graphics adapter and Windows-compatible mouse. 25-4112 835.00

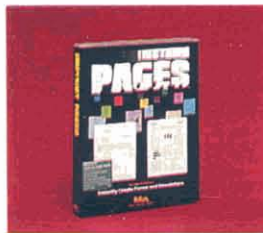


The Print Shop™

Design and print signs, announcements and flyers. The Graphic Editor lets you draw original pictures or modify the existing graphics. Requires Color graphics card or Hercules-compatible monochrome graphics card. 25-1304 54.95



NEW! Instant Pages™. DeskMate style. Over 100 ready-to-use forms and news-letters, charts, etc. for rapid design and printout. Place as many columns, lines or boxes on a page. Move copy or paste any block—even undo your last entry or block action. Create invoices, flow charts, floor plans, signs, calendars, inventory lists and much more. Requires 512K or Tandy 1000 SL. 25-1262 44.95



New! Print Magic™

Create inspired greeting cards, flyers, certificates, banners, notices, logos, invitations, student report covers, stationery, photo frames and just about anything else that can be printed. Easy-to-use DeskMate interface lets you create your own designs and modify existing images. Zoom in close to polish up details, cut and paste graphics from one page to another, or import art from many other graphics disks and paint programs. Requires 512K or Tandy 1000 SL. 25-1265 54.95



New! PFS: First Publisher 2.0™

Has the features you need to create great-looking newsletters, flyers, reports and business forms. Imports, creates, resizes and edits graphics. Requires 512K, two floppy disk drives or hard disk (recommended). 25-1264 115.00

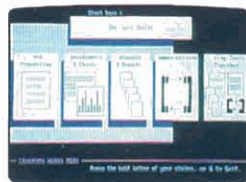


Additional Special Graphics Packages

First Publisher Personal Graphics. 90-3235	39.00
First Publisher Publications. 90-3326	39.00
First Publisher Holidays. 90-3327	39.00
First Publisher Leisures and Lifestyles. 90-3328	39.00
First Publisher Business Symbols. 90-3329	39.00
First Publisher Executive Fonts. 90-3330	39.00
First Publisher Decorative Fonts. 90-3331	39.00
First Publisher Just For Grins. 90-3332	39.00
First Publisher Christian Symbols. 90-3333	39.00

Fully-Integrated Programs Provide Powerful, All-In-One Software Solutions

Microsoft Works™. An easy-to-learn, all-in-one program which combines word processing, spreadsheet, database and communications software. MS Works has macros, a spelling checker, graphics and reporting capabilities: all the tools you'll need for writing, organizing and reporting information, analyzing numbers, charting your results and communicating with other computers. These tools share the same easy-to-use commands and include on-disk training. And since all the parts are integrated, you can quickly switch between them and move information from one tool to the next effortlessly. Requires 384K and two disk drives. 25-1184 139.00



NEW! Q&A 3.0™. A powerful, flexible and easy-to-use program for small businesses and professionals who have a need to manage data. Q&A's integration of an intelligent database with a full-featured word processor makes it the solution for many business applications. Includes Intelligent Assistant which allows you to ask questions of your database in plain English. Lets you list mailings, prospect leads, inventory management, employee and personal records, expense reporting,

contract proposals, warranty information, supplier and tax records, letters and much more. Full-network support makes it ideal for sites with diskless workstations. Requires 512K, two floppy disk drives or one floppy and one hard drive. 26-1225 299.00

PFS:First Choice™. An easy-to-use integrated program designed for people who want to take advantage of the power of a computer without having to become a computer expert. First Choice combines the most-popular and practical personal computer applications on one disk—a powerful word processing program, built-in thesaurus/spelling checker, file management, spreadsheet analysis package for business evaluations and projections, business graphics, and electronic communications software which, when coupled with a modem, allows you to communicate with other microcomputers, mainframes, or national information services for news, travel, sports, entertainment and reference information. Intuitive menus and on-screen prompts guide you through each operation. Also, you can switch from one application to another without changing disks. The Quick Tour starter guide will have you doing real work within an hour. Requires 512K, two double-sided floppy disk drives or one hard disk and one floppy disk drive. 25-1228 139.00

POPULAR BUSINESS SOFTWARE

Database Applications

Paradox 2.0. A relational database management system that allows novices to select, combine, analyze, summarize and report on data—with no programming. Advanced users can develop sophisticated applications with PAL (Paradox Application Language), a full-featured programming language and development environment. Paradox installs easily, and uses a Lotus-like menu to provide easy access to its power. Paradox displays your information in tables, using spreadsheet-like rows and columns, or in forms which show one record at a time. Paradox also features "query by example". Simply give an example of the results you'd like to see and Paradox employs "machine reasoning" to deliver the answer. Requires 640K. 25-1187 629.00

NEW! Paradox 386. A powerful database designed exclusively for 386-based computers that runs up to five times faster than Paradox 2.0. Paradox 386 supports full multiuser capabilities whether you install it on a 386 workstation or a network file server. It allows you to share data stored on the file server with other workstations on the network, even if those workstations are running other versions of Paradox and have different processors. Also, applications written in Paradox 2.0 will run unchanged on Paradox 386. Special design techniques allow you to address all your memory—right up to 16 megabytes! Requires 1.5 megabytes of memory, one hard disk drive and one floppy disk drive. 90-3298 895.00

Paradox 2.0 Network Pack. Allows up to six users in your workgroup environment. Includes record and file locking, plus an auto-screen refresh feature. Does not require purchase of 25-1187. Requires 640K per workstation. 90-3237 995.00

Professional File. A complete file management and reporting program providing the full range of features needed to quickly organize, update, retrieve, analyze and report information with professional results. It's perfect for busy managers or professionals who need to maximize information management efficiency. Because Professional File takes advantage of all your computer's memory, data retrieval is very fast. Features include user interface for direct access to applications, ability to work with other software and hardware in the office, pull-down menus and more. Used with Professional Lan Pack (90-1672), supports up to five network users. Requires 512K and hard disk. 25-1260 249.00

Advanced Spreadsheet

Microsoft Excel. A spreadsheet integrated with flexible business graphics for today's fast new computers. You can link and display multiple worksheets, and its "smart" recalc only calculates cells that will change. It has a rich variety of auditing and noting tools. Make your work look its best with color, multiple type styles, borders, shading and sideways printing. Superior graphics are built in. Use the macro recorder to save time. Includes custom menus, dialog boxes and help files. Read and write Lotus 1-2-3 files (1A and 2). Requires 80286 processor or greater, 640K and hard disk. 25-1185 429.00



Easy-to-Use Spreadsheet

New Low Price! PFS:Professional Plan. An advanced spreadsheet providing the full range of features needed to quickly develop, analyze, graph and print business plans, budgets, financial statements and other planning models with professional results. Requires 512K and two disk drives. Was \$199 in Cat. RSC-19. 25-1173 99.00

Business Management

Quartet. A complete accounting system that performs the four major accounting functions. General Ledger prints a trial balance, income statement and balance sheet. Accounts Receivable records customer sales and credit memos, prints invoices and statements and provides for reports such as aged receivables and estimated income. Accounts Payable allows entry of expenses and vendor invoices, writes checks, calculates sales tax and more. Payroll calculates federal, state and city taxes. It tracks current, quarterly and yearly amounts for earnings, deductions and prints payroll checks and W-2s. Requires two disk drives. 25-1146 199.95



Quicken. An easy-to-use checking and finance program for home and small business use. Quicken automates bill paying and eliminates rewriting recurring checks. In addition to printing checks and maintaining the check register, Quicken sorts, lists, and totals income and expenses by date, payee and memo category. It performs all reconciliation calculations for balancing with a bank statement and helps diagnose reconciling problems. Requires 512K RAM or Tandy 1000 SL. 25-1246 49.95

Dow Jones Market PLUS Analyzer. Combines technical analysis, technical screening, portfolio management and communications through Dow Jones News/Retrieval® to produce a complete investment package for personal investors, professional stock chartists and investment advisors. Requires CGA and a modem. 25-1147 249.95



NEW! Venture. A business startup program that contains an integrated system of a word processor, spreadsheet, file manager, general ledger, accounts receivable, check writer and invoicing system. Includes a number of templates to make starting a business much easier, plus on-line help, memory resident calculator and calendar, access to DOS and full integration between modules. Requires 512K and hard disk. 25-1249 349.00



MemoryMate. A wonderfully versatile memory-resident data manager that offers you a very intuitive way of working with information—it allows you to work the way you think. Enter all your notes, memos, to-do lists, thoughts and ideas in a completely freeform manner, then call them up with a single keystroke. Built-in Reminder feature. Requires 384K and two disk drives. 25-1247 69.95

Professional Spreadsheet

NEW! Quattro. Excellent built-in graphics capabilities help you create bar graphs, line graphs, pie charts, XY graphs, area charts—up to 10 types of graphs. Then print your charts directly from the spreadsheet you've created or store charts and graphs for future use. Quattro features an "intelligent recalc" to recalculate only those formulas whose elements have changed. Create macros instantly by recording your actions and storing them in the spreadsheet. Requires 512K and two disk drives. 25-1224 229.00

Improve Business Performance

NEW! Lotus 1-2-3 Small Business Kit. The 1-2-3 Small Business Kit provides software and support services customized to meet the needs of smaller organizations. Components include: Lotus 1-2-3—the best-selling spreadsheet software that combines spreadsheet, graphics and database; 1-2-3 Business Applications—a financial tool that works with 1-2-3 and data from your Income Statement and Balance Sheet to aid in business decisions; and 1-2-3 Support Services—six months unlimited, toll-free telephone support offering expert consultation using 1-2-3 applications. 25-1223 595.00

DESKMATE® SOFTWARE INTERFACE



The Easy-to-Use Desktop Lets You . . .



Schedule Events and Appointments



Track Addresses and Phone Numbers



Write Letters and Reports

Our Most Powerful Edition of DeskMate Integrated Software

DeskMate. Put your computer to work the very first day with a variety of practical applications. DeskMate software lets you write, organize, budget, schedule events and much more! And since the same commands are used throughout, all applications function in a similar manner. For even easier operation, you can add a mouse for "point and click" convenience. With Text, you'll find an easy-to-use text entry and editing system, complete with a spelling checker! Worksheet gives you a simple 99-row by 99-column spreadsheet. With Filer and Form Setup, you can keep track of a home inventory or tape library. An Address Book makes it easy to personalize form letters, and a Calendar lets you schedule appointments—enter birthdays and anniversaries and Calendar will remind you year after year. With an optional modem, you can use the Phone Accessory to automatically dial important phone numbers, or access the on-line PC-Link information service. Add graphics to your work with Draw, or test your skill with the Hangman word game. 25-1250 99.95

Enjoy the Look and Feel of Easy-to-Use DeskMate Software In a Wide Variety of Programs

- Easy-to-use graphic design with dialogue boxes and pull-down menus
- Provides continuity between different applications
- Similarity in commands and functions makes learning new software a snap



At last—an easy-to-use graphics interface for Tandy and other PC-compatible computers. Tandy's new DeskMate User Interface gives an expanding selection of MS-DOS based applications a similar operating environment. This makes it easy to move from one software package to another . . . to learn new programs quickly . . . and to operate different types of software with uniform and understandable commands.

Until now, when you bought a new software program, you had to learn a totally new system. Each manufacturer had its own set of commands for its own program. Function keys served different purposes from program to program. In all, everything looked and felt so different that even experienced users could become frustrated and confused when switching applications. And naturally, this problem could play havoc on the new user.

The DeskMate Interface gives MS-DOS users a welcome uniformity in operation. DeskMate has been licensed to a number of vendors, so that each of their software packages has the same user-friendly "look and feel."

Our proven DeskMate format uses pop-up dialogue boxes and handy pull-down menus to select operations. Function keys work similarly from application to application. The graphic interface makes it simple to see where you are within the program—so you can quickly make a selection using the keyboard, or for even easier operation, a mouse.

The advantages are clear. Software is easier to learn than ever. New users can be up and running in no time. And the continuity between DeskMate-based programs makes it a snap to move on to new software applications. Look for programs with the DeskMate logo!

DeskMate Workgroup Companion Puts PCs on Speaking Terms

NEW FOR 89

149⁹⁵

Low As
\$15 Per Month*

Productivity is as important for an entire office as it is for an individual. Putting a PC on everyone's desk is a great way to improve personal productivity, but boosting office productivity requires the creation of an efficient workgroup.

The DeskMate Workgroup Companion gives individual users the tools they need for personal productivity, and, when interconnected through a TandyLink or 3Com workgroup, also lets users share information throughout the office.

Workgroup Companion enhances DeskMate with an alarm function that reminds you of important dates and times. Talk allows you to communicate immediately to others in the workgroup, while Forum invites comments and helps create action items. Other applications include Mail Bridge, a step-saving mail "transport" system, and Task Switch, which allows TandyLink and other network software to coexist in harmony. The Telephone Central gives you a message center and shared "in/out" board.

The only software requirements are a copy of DeskMate (25-1250) at each station. Two computers can be connected using ordinary RS-232 cable. It's also easy to connect workgroups with more than two computers. You may also use the



Transfer Memos,
Update Schedules . . .

. . . From Office
to Office

low cost TandyLink boards and connecting cables. Or if you already have a 3Com workgroup, no additional equipment is necessary. A TandyLink workgroup requires no dedicated file server, is user installable and operates on the entire line of Tandy and other IBM® compatible computers.

Workgroup Companion. 25-1251 149.95

TandyLink Board Plus. For Tandy 1000 HX/EX.

26-5602 119.95

TandyLink Board PC. For all other Tandy PC-compatibles.

26-5601 119.95

286-BASED TANDY 1000 TL FOR BUSINESS AND HOME OFFICES

Get Right to Work—
MS-DOS® and DeskMate
Built Into ROM

NEW
FOR 89

1299⁰⁰

Low As \$65 Per Month*

Tandy Extended Service Plan Available

Monitor and mouse not included

- Powerful 8 MHz 80286 Microprocessor
- 640K RAM ■ Enhanced Keyboard
- Automatically Loads MS-DOS and DeskMate® Without Diskettes
- Built-In 3 1/2" 720K Disk Drive
- Software Compatible with IBM PC—Choose From Thousands of Programs
- Enhanced Sound and Speech Capabilities Let You Record and Listen to Voice and Music
- DeskMate® Features Ten Useful Applications—Get to Work the Very First Day
- Real-Time Clock and Battery Backup



Tandy 1000 TL. A powerful new computer for personal and business use. The 80286 microprocessor gives you greater processing power than ordinary PCs—you'll fly through your applications!

The Tandy 1000 TL includes MS-DOS 3.3 and DeskMate built into ROM, so you'll be up and running in seconds! The 640K RAM ensures plenty of power for even the most sophisticated programs. And the enhanced 101-key keyboard makes using your programs a breeze. You'll also find the graphics capabilities of the Tandy 1000 TL exceptional. The built-in video supports monochrome text, Hercules monochrome graphics and CGA color graphics with enhancements.

DeskMate features ten popular applications that will let you write letters, prepare budgets, file information or draw colorful pictures. There's a built-in spell checker, address book, a Hangman word game and access to PC-Link™ telecommunications service. (See page 17 for more information on DeskMate.) The Tandy 1000 TL is outfitted with a 3 1/2" disk drive, ready to run MS-DOS software on durable, pocket-size diskettes. There are also slots for an additional 3 1/2" drive and a 5 1/4" drive—so you can choose the expansion options best suited to your needs.

As an added bonus, you will get a music program and sound editor that will demonstrate the outstanding speech and sound capabilities of the Tandy 1000 TL. Using the sound editor and an optional microphone (33-1060), you'll be able to record and edit voice, music, sound effects—any analog audio source—onto 3 1/2" diskettes, then play them back at your convenience. It's almost like having an audio notepad. And there's a built-in headphone jack with volume control for private listening.

A parallel printer adapter, RS-232 serial port and two joystick ports are included at no extra charge. And with five expansion slots it's easy to expand the Tandy 1000 TL to meet your current and future needs. 25-1601 1299.00

Popular 1000 TL Accessories*

CM-11 High-Resolution RGBI Color Monitor. As seen in photo. 25-1024 399.95

Tandy Serial Mouse. Plugs into any 9-pin male serial port. Great for use with DeskMate. 25-1040 49.95

NEW! 3 1/2" Floppy Disk Drive Kit. Mounts internally. Installation recommended (not included). 25-1075 169.95

5 1/4" Floppy Disk Drive Kit. Mounts internally. Installation recommended (not included). 25-1063 169.95

20-Megabyte Hard Disk Card. Get 20 megabytes of storage on a user-installable card. 25-1032 599.00

*See pages 24 & 25 for other 1000 accessories.

Specifications

Microprocessor: 80286. Optional 80287 Math Coprocessor. **Clock Speed:** 8/4 MHz (Software Selectable). **Operating System and Included Software:** Microsoft MS-DOS 3.3 (in ROM), GW-BASIC and DeskMate. **Memory:** 640K RAM (expandable to 768K, 640K for MS-DOS and 128K for Video). EMS memory available through optional expansion boards. Includes 512K ROM and 1024 bits EEPROM for system configuration. **On Board Video Support:** Text: MDA or CGA compatible, 80 or 40 characters per line by 25 lines. Graphics: Hercules (720 x 348 pixels). CGA compatible with enhancements (640 x 200 pixels, 16-color and 4-color). **Display Options:** Monochrome: High resolution monitor (VM-5, green). Color: 14" RGB Color Monitor (CM-5 or CM-11). **Sound:** Built-in 8 bit bi-directional DAC for sound and speech generation including internal speaker, 1/8" external stereo headphone jack with volume control and 1/8" microphone input jack. **Disk Drives:** One double-sided, double density 3.5" 720K (formatted) floppy disk drive (1" in height). Disk Drive is expandable to support 3 floppy drives (2-3.5" and 1-5.25") and 1 hard disk card. **Keyboard:** 101-key Enhanced keyboard with tactile feedback. **Internal Expansion Slots:** 5-10" IBM PC Bus compatible (8-bit) card slots. User accessible. **External Connectors:** Parallel Printer Port, RS-232 Serial Port (9-pin male), 2 joystick ports, 1/8" Mic in and 1/8" stereo headphone out. **Internal Clock:** Realtime clock/calendar with battery backup. Dimensions (H x W x D): 5.1 x 15.5 x 13.1". **Weight (Shipping):** 33 lbs. **Power Supply:** Input: 120VAC, 50/60 Hz. Output: 67 Watts. UL listed. **Certification:** FCC Class B.

BUILT-IN MS-DOS® AND DESKMATE: THE ULTIMATE IN EASE-OF-USE!

**Tandy 1000 SL Features
Programs in ROM, Plus
Enhanced Video/Sound**

NEW FOR 89 899⁰⁰

Low As \$45 Per Month*
Tandy Extended Service Plan Available
Monitor and mouse not included

- 8086 Processor ■ 384K RAM
- MS-DOS and DeskMate Built Into ROM—Loads without Diskettes
- One Built-In 5 1/4" 360,000-Character Disk Drive
- Software Compatible with the IBM® PC—Choose From Thousands of Popular Programs
- Enhanced Sound and Speech Capabilities Let You Record and Listen to Voice and Music
- 101-Key Enhanced Keyboard
- Includes DeskMate, Which Features Ten Useful Applications



Tandy 1000 SL. A new ergonomic design for 1989! With an 8086 microprocessor the Tandy 1000 SL lets you run virtually all of your industry-standard MS-DOS software much faster. And with MS-DOS 3.3 and DeskMate built into ROM, you'll be up and running in seconds! The Tandy 1000 SL even "remembers" your system configuration—number of drives, type of monitor, etc.—each time you turn it on.

DeskMate features ten popular applications that will let you write letters, prepare budgets, simply file information away for later use or draw colorful pictures. There's also a spell checker, address book, Hangman word game and PC-Link™ on-line information service.

As an added bonus with the Tandy 1000 SL, you will be able to compose and play back songs—and by using DeskMate's sound editor with an optional microphone (33-1060), you will be able to record and edit music, voice or other sound effects onto your 5 1/4" diskettes, then play them back at your convenience. It's almost like having an audible notepad. And with the built-in headphone jack with volume control, you will not disturb others with your recordings. (Refer to page 17 for more information on DeskMate.)

The built-in video supports monochrome text, Hercules® monochrome graphics and CGA color graphics with enhancements. The Tandy 1000 SL comes with an enhanced 101-key keyboard, 384K RAM (expandable to 640K), a 5 1/4" 360K disk drive and five user-accessible expansion slots. Add a second internal disk drive (5 1/4" or 3 1/2")—it's easy to expand with the Tandy 1000 SL.

Finally, the options you'd expect to pay extra for are also included: an RS-232 serial port, parallel printer adapter, two joystick adapters, a color and monochrome graphics adapter, and MS-DOS 3.3/GW-BASIC software. The Tandy 1000 SL is the personal computer that's right for your family or the classroom—as well as your budget. 25-1401 899.00

Popular 1000 SL Accessories*

- CM-11 High-Resolution RGBI Color Monitor.** As seen in photo. 25-1024 399.95
- Tandy Serial Mouse.** Plugs into any 9-pin male serial port. Great for use with DeskMate. 25-1040 49.95
- 5 1/4" Floppy Disk Drive Kit.** Mounts internally. Installation recommended (not included). 25-1063 169.95
- 20-Megabyte Hard Disk Card.** Get 20 megabytes of storage on a user-installable card. 25-1032 599.00
- SmartWatch.** A perpetual clock calendar with battery backup in a chip. Installation recommended (not included). 25-1033 39.95

*See pages 24 & 25 for other 1000 accessories.

Specifications

Microprocessor: 8086. Optional 8087 Math Coprocessor. **Clock Speed:** 8/4 MHz (Software Selectable). **Operating System and Included Software:** Microsoft MS-DOS 3.3 (in ROM), GW-BASIC and DeskMate. **Memory:** 384K RAM (expandable to 640K, using 8 64K x 4 drams). EMS memory available through optional expansion boards. Includes 512K ROM and 1024 bits EEPROM for system configuration. **On Board Video Support:** Text: MDA or CGA compatible, 80 or 40 characters per line by 25 lines. Graphics: Hercules (720 x 348 pixels). CGA compatible with enhancements, (640 x 200 pixels, 16-color and 4-color). **Display Options:** Monochrome: High resolution monitor (5.25" or 3.5"). Color: 14" RGB Color Monitor (CM-5 or CM-11). **Sound:** Built-in 8 bit bi-directional DAC for sound and speech generation including internal speaker, 1/8" external stereo headphone jack with volume control and 1/8" microphone input jack. **Disk Drives:** One double-sided, double density 5.25" 360K (formatted) floppy disk drive. Expandable to support a second floppy drive (5.25" or 3.5") and 1 hard disk card. **Keyboard:** 101-key Enhanced keyboard with tactile feedback. **Internal Expansion Slots:** 5-10" IBM PC Bus compatible (8-bit) card slots. User Accessible. **External Connectors:** Parallel Printer Port, RS-232 Serial Port (9-pin male), 2 joystick ports, 1/8" Mic in and 1/8" stereo headphone out. **Internal Clock:** Optional SmartWatch (25-1033). **Dimensions (H x W x D):** 5.1 x 15.5 x 13.1". **Weight (Shipping):** 33 lbs. **Power Supply:** Input: 120VAC, 50/60 Hz. Output: 67 Watts. UL listed. **Certification:** FCC Class B.

MS-DOS® TANDY 1400 LT PORTABLE

Get PC-Compatibility
And Incredibly Legible
Backlit "Supertwist"
Liquid Crystal Display

1799⁰⁰

Low As \$90
Per Month*

- Full-Function IBM® PC Compatible
- High-Quality Supertwist Backlit Display
- Comes Complete With 768K RAM
- Features Two 3 1/2" Built-In Disk Drives
- Removable, Rechargeable Battery Pack

Battery pack
ensures power
when you need it

Built-in carrying
handle for
easy transport



Tandy 1400 LT. A PC-compatible portable computer with standard features that no other portable offers. The 1400 LT is the perfect solution for people who spend time travelling. You'll be able to finish reports and memos, organize your presentation materials—whatever your needs—at anytime or place. Or you can use it in your office and enjoy all the advantages of a fully configured desktop computer.

The 1400 LT's 8088-equivalent microprocessor (NEC V-20) has a 7.16 MHz clock speed (vs. 4.77 MHz for many other PC-compatible portables). The 768K RAM is enough memory to run all your important applications. And because the 1400 LT comes with MS-DOS®/BASIC 3.2 and is IBM PC compatible, you can run sophisticated programs to increase your productivity. The 1400 LT's two built-in 3 1/2" disk drives give you twice the storage capacity for program and data files (720K each) than 5 1/4" disk drives.

The remarkably clear backlit liquid-crystal display is the ultimate in clarity and readability. It features 80-character by 25-line resolution (same as a full-sized monitor), and the latest in "supertwist" LCD technology. The keyboard features 76 typewriter-style keys and special-function keys. The 1400 LT supports an external PC-compatible keyboard and an internal modem.

The 768K RAM gives you a tremendous amount of portable-computing power. With 640K addressed by MS-DOS, you'll have 128K left over for a RAM-based disk drive. The 1400 LT features a real-time clock, a parallel printer adapter, an RGBI monitor output for connecting either a CM-5 or CM-11 color monitor, an RS-232C serial interface and removable battery pack. The 1400 LT weighs less than 14 pounds, and includes a handle for easy transportation.

The 1400 LT gives you the efficiency and power of a desktop computer, plus the advantage of mobility. Don't settle for less than the best in portable computers—the Tandy 1400 LT.

Tandy 1400 LT. 25-3500 1799.00

Tandy 1400 LT Accessories

NEW! Internal 20-Megabyte Hard Disk Kit*. Replaces one of the Tandy 1400 LT's internal floppy drives and provides 20 megabytes of battery-operated storage. Kit includes 1"-high 20-megabyte hard disk, hard disk controller board and cables. Installation required (not included).

25-3515 1199.00

1200-bps Internal Modem. A Hayes®-compatible auto-dial/auto-answer modem that allows your Tandy 1400 LT to run the most popular communications software at higher speeds, reducing the cost of on-line time.

25-3510 199.95

MS-DOS/GW-BASIC Reference Guide. Complete guide to all MS-DOS and GW-BASIC commands.

25-1508 29.95

Carrying Case.

25-3511 39.95

Replacement Battery Pack.

25-3520 79.95

Specifications

Microprocessor: NEC V-20 (8088 equivalent). **Clock Speed:** 7.16/4.77 MHz (switchable). **Operating System and Included Software:** Microsoft MS-DOS/GW-BASIC 3.2. **Memory:** 16K ROM, 768K RAM, 640K accessible by MS-DOS, 128K available for RAM-based disk drive. **On Board Video Support:** Backlit "Supertwist" LCD, 640 X 200 pixels, 80 X 25 characters, aspect ratio 1:1.4. Optional RGB Color Monitor. **Disk Drives:** Two internal 720K 3 1/2" double-sized, double-density. Supports one external disk drive. **Keyboard:** Full-size, 76 keys. **Modem:** Optional 1200-bps modem. **External Connections:** AC adapter, DB-25 Parallel Printer, DB-9 Serial Port, RGBI Color Monitor, Composite Video Out, External Disk Drive, Enhanced Keyboard. **Dimensions:** 3 1/2 x 12 1/2 x 14 1/2". **Weight:** 13.5 lbs. **Power Supply:** AC Adapter: 15 VDC 700 mA, UL listed. Battery: Removable 12 Volt, 2200 mAh. **Certification:** FCC Class B.

* Service center item only. IBM/Reg. TM IBM Corp. MS-DOS/Reg. TM Microsoft Corp. Hayes/Reg. TM Hayes Microcomputer Corp.

THE FAST-LOADING TANDY 1000 HX

Our Lowest-Priced
PC-Compatible is
Perfect for
Home or School

699⁰⁰

Less monitor,
platform and
mouse

Low As \$35 Per Month*

- Features 8088-2 Microprocessor with Switchable 7.16/4.77 MHz Clock Speed
- Software Compatible with the IBM PC—Choose From Thousands of Popular Programs
- MS-DOS 2.11 Built-In ROM—Loads Without Diskettes!
- Built-in 3 1/2", 720K Disk Drive
- Personal DeskMate 2™† ■ 256K Memory
- Headphone Jack With Volume Control
- Expandable With PLUS Expansion Cards



Tandy 1000 HX. The affordable PC with deluxe features. MS-DOS (in ROM) loads automatically in just seconds—just insert your program diskette and you're ready! (With other PCs, you insert the MS-DOS operating system diskette, wait for it to load and then remove the diskette—all before you load your program diskette.) It's the ultimate in ease of use for first-time users, the ultimate in time-saving convenience for experienced users!

A high-capacity, 720K 3 1/2" disk drive is built in—and there's room for a second 3 1/2" drive (installation in our Service Centers is recommended). The 1000 HX is PC-compatible so you can use popular MS-DOS programs available on 3 1/2" diskettes. And for total flexibility you can run software on 5 1/4" diskettes with our optional 5 1/4" External Disk Drive.

The Tandy 1000 HX is loaded with many features and conveniences that you would normally have to pay extra for. You will be able to plug in joysticks, RGB color monitor, or a printer without buying extra-cost adapters. There's even a 3-voice sound circuit for music generation through the built-in speaker or headphone jack with volume control—a great asset in the home or classroom.

Your first program is included—Personal DeskMate 2 seven-in-one software. Personal DeskMate 2 is an easy to use, integrated program that uses pull-down menus and dialogue boxes written in plain English. A 16-color PAINT program lets you create drawings and designs, and a MUSIC program that lets you enter and playback songs of your choice. TEXT is a word processor for preparing correction-free letters, school papers and reports. WORKSHEET is an electronic spreadsheet that is ideal for keeping a running budget. FILER is a very simple filing system for storing information like mailing lists, birthdays, etc. There is also a COMMUNICATIONS program* and a CALENDAR. And for maximum ease-of-use, you can add a mouse for "point and click" convenience!

Tandy 1000 HX. 25-1053 699.00

Popular Tandy 1000 HX Accessories*

CM-5 RGBI Color Monitor. Shown above with 1000 HX. See page 24 for other optional monitors. 25-1043 299.95

NEW! Monitor Platform. (As seen in photo above.)

26-1329 19.95

Deluxe Color Mouse. Great for use with Personal DeskMate 2. 26-3125 49.95

3 1/2" 720K Floppy Disk Drive Kit. Mounts internally. Installation recommended (not included). 25-1065 169.95

5 1/4" 360K External Floppy Disk Drive Kit. 25-1060 249.95

MS-DOS 3.2 Upgrade. For floppy drives only. Special order required. 25-1170 29.95

Memory PLUS Expansion Adapter. Expands your Tandy 1000 EX/HX to 384K. 25-1062 149.95

SmartWatch. Clock/calendar in a chip. 25-1033 39.95

*See pages 24 and 25 for additional Tandy 1000 accessories.

Specifications

Microprocessor: 8088-2. **Clock Speed:** 7.16/4.77 MHz. (Software selectable). **Operating System and Included Software:** Microsoft MS-DOS 2.11 in ROM. GW-BASIC and Personal DeskMate. **Memory:** 256K RAM, expandable to 640K. 128K ROM and 256 bits EEPROM with MS-DOS resident. **On Board Video Support:** Text: 80 or 40 characters per line by 25 lines. Graphics: CGA compatible with enhancements; 640 x 200 pixels, 4 color; 320 x 200 pixels, 16 color. **Disk Drive:** One, double-sided, double-density 720K (formatted) thin-line 3 1/2" mini-floppy. **Keyboard:** Integral 90-key sculptured, including numeric-entry keypad. Twelve programmable Function keys. **Internal Expansion:** Second 3 1/2" 720K disk drive. One "PLUS" style expansion board or two "PLUS" style expansion boards when used with Memory PLUS Expansion Adapter (25-1062). **Clock/Calendar** (25-1033). **External Connections:** 5 1/4" 360K or 3 1/2" 720K external drive. Standard parallel port, composite video out, 1/8" headphone jack with volume control, two joysticks, RGBI Color Monitor. AC outlet. **Dimensions:** 3 1/4 x 17 x 14 1/2". **Weight:** 19 lbs. **Power Supply:** Input: 120 VAC, 50/60 Hz. Output: 25 watts. UL listed. **Certification:** FCC Class B.

THE BEST IN TANDY 1000 SOFTWARE

Choose From a Variety of Home Education Programs



Software to Turn Your Tandy 1000 Into a Learning Tool

NEW! Reader Rabbit. Four animated games help develop fundamental reading and spelling skills. Children improve their letter and word recognition, memory skills and vocabulary. On the Tandy 1000, the software speaks the words for the children. For ages 5-10. 25-1216 44.95

NEW! Writer Rabbit. The best learning-to-write program available. In six carefully sequenced games, children learn to complete sentences and stories. Each game develops important reading comprehension skills while developing writing skills. For ages 5-10. 25-1217 44.95

NEW! Math Rabbit. Introduce your child to the fascinating world of numbers! Four games teach children how to add and subtract one- and two-digit numbers, and recognize number patterns and relationships. Math Rabbit develops children's early thinking skills while teaching math. For ages 5-7. 25-1218 34.95

Where in the World is Carmen Sandiego? The City awakens to find the Statue of Liberty's torch stolen! Pursue the thief on a worldwide chase—Rome, London, Moscow and more. Includes The World Almanac and Book of Facts. Explore the great cities of the world as you pursue master thieves to the far corners of the globe! Travel to the exotic foreign capitals, unearthing clues that lead you to your next destination. 25-1151 34.95

The FUNdamentals. Experience the FUNdamentals of computer hardware, software, DOS concepts and commands, DeskMate, and much more in an interactive game environment designed specifically for the Tandy 1000 series.

For Tandy 1000 HX/TX. 25-1186 24.95



NEW! For Tandy 1000 TL.

25-1233 19.95

NEW! For Tandy 1000 SL.

25-1236 19.95



NEW! Speller Bee. Helps children improve their spelling skills. Children create 32 of their own spelling lists with each list containing 10 words up to fifteen letters in length. Speller Bee contains 150 pre-stored words each at a different level of difficulty. Ages 5-10.

25-1232 (Avail. 10/30/88) 34.95

NEW! Math Blaster Plus. Over 750 basic math problems covering Addition, Subtraction, Multiplication, Division, Fractions, Decimals and Percents. Math Blaster Plus, with its easy-to-use pull-down menus, is based on positive reinforcement to encourage students as they learn. Builds accuracy, problem-solving skills and confidence. For ages 6-11.

25-1200 44.95

NEW! Typing Tutor IV. Learn to type quickly and easily—the most effective typing instruction program ever developed. Automatically adjusts to personal abilities and progress, creating custom-designed lessons. Users learn at their own pace. Includes LETTER INVADERS, an arcade-style typing game.

25-1188 44.95

NEW! Lovejoy's Preparation for the SAT. Get ready for the Scholastics Aptitude Test. Includes two practice exams, 25 separate practice modules, extensive help screens, scratch-pad and four-function calculator. A utility program both calculates projected SAT scores and creates bar-graphs of scores and progress. A must for college-bound students.

25-1189 44.95

Term Paper Writer. A fantastic tool for organizing and writing term papers. It simplifies every step of the process of writing a term paper: note taking, organizing ideas, outlining information, footnoting and compiling bibliographies. Uses Turabian, APA or MLA styles. Includes the spell checker.

25-1154 49.95

Fantastic Paint Program



NEW FOR **89**
49⁹⁵

Deluxe Paint. Unleashes the artist in everyone! Takes advantage of Tandy 1000's extended CGA mode. Flips, rotates, raises and bends image or text. Has automatic gradient blending of colors. 25-1306 49.95

Compose Music

NEW FOR **89**

79⁹⁵

■ Create and Play Your Own Musical Compositions



The Music Studio 3.0. Complete music composition and editing tool. Edit and play up to three songs at one time. MIDI out with 16 channels. Requires 512K or Tandy 1000 SL. 25-1234 (Avail. 10/30/88) 79.95

Organize Your Finances



49⁹⁵
NEW FOR **89**



Quicken. Easy-to-use checking and finance software for home and small business. Prints checks and supports multiple accounts. Requires 512K or Tandy 1000 SL. 25-1246 49.95

Reader Rabbit, Writer Rabbit and Math Rabbit/TM The Learning Company. Speller Bee/TM First Byte. Where in the World is Carmen Sandiego?/TM Broderbund Software. FUNdamentals/TM Digital Learning Systems. Typing Tutor IV and Lovejoy's SAT/TM Simon & Schuster. Term Paper Writer/TM Personal Choice Software. The Music Studio/TM Activision. Quicken/TM Intuit.

PROGRAMS FOR FUN & LEARNING

3-D Adventure Games



King's
Quest IV
44⁹⁵

NEW
FOR **89**

King's Quest IV. Travel with Rosella, the beautiful princess, into a mystical realm where you'll search for a sacred talisman and magical life-giving fruit—but beware of the evil Lolotte!

25-1231 44.95

NEW! Police Quest. Trek into the police world of vice, drugs and homicide. Contains real-life police simulations—parental guidance is advised.

25-1229 39.95

Science Fiction

NEW
FOR **89**

Space
Quest II

39⁹⁵

Voyage Into Deep Space

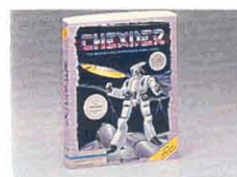
NEW! Space Quest II. A more dastardly scheme was never contrived! Xenon is under invasion by hordes of pushy salesmen sent by the evil Sludge Vohaul... and they won't take "No" for an answer!

25-1220 39.95

NEW! Future Magic I: The Sentinel Worlds. Savage raids are being conducted on Federation transports. You must end these raids and find the source of aggression. Look for clues on the frozen world of Ceyjavik.

25-1235 44.95

Robots to Game Shows



Thexder
29⁹⁵

NEW LOW
PRICE

Was \$34.95 in
Cat. RSC-19

Thexder. Battle with enemy robots. Explore the mysterious planet Nedium and meet the creator of the sixteenth level. 25-1183 29.95

NEW! Official TV Game Show. Play TV's popular word game show complete with music, wheel and great word teasers. Or sharpen your wit with Jeopardy. Special offer includes two editions of Wheel of Fortune.

25-1239 29.95

Daring Flight Action



Flight
Simulator
44⁹⁵

NEW
FOR **89**

Microsoft Flight Simulator Version 3.0. On-screen flight instruction guides you through numerous techniques and death-defying stunts.

25-1215 44.95

NEW! Chuck Yeager's Advanced Flight Trainer. Climb into the cockpit with the greatest test pilot—Chuck Yeager, and learn the basics of flying.

25-1196 35.95

Exciting Combat Action

NEW
FOR **89**

Gunship
44⁹⁵

Fly Sorties Into Enemy Airspace

Gunship. Climb into the cockpit of America's most advanced helicopter: the AH-64 Apache-GUNSHIP. It's up to you to lock onto the enemy and destroy him—before he destroys you! Learn advanced helicopter piloting techniques—without leaving the ground! 25-1219 44.95

F-15 Strike Eagle. Pilot an F-15 fighter and fly into real-life combat situations where your skills make the all-important difference between victory... and defeat. Developed and tested by real fighter pilots.

25-1125 34.95

Great Sports Programs



Championship
Football
34⁹⁵

NEW
FOR **89**

GFL Championship Football. Get in the lineup with an in-helmet perspective of the gridiron. You get sixty minutes of hard-hitting action—right on the field! 25-1230 34.95

Earl Weaver's Baseball. Make hits, runs—maybe even errors (or get Earl's advice) as you play in some of the most famous parks in baseball history.

25-1182 35.95

Creativity Software for Your Tandy 1000

Publishing for Children

NEW
FOR **89**

54⁹⁵

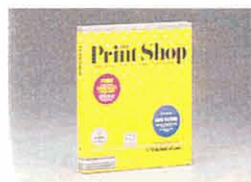


For Young
Authors in
Your Family

The Children's Writing & Publishing Center. Children create and print stories, letters, assignments, reports and other manuscripts. Easy to use DeskMate Interface.

25-1237 54.95

Make Cards, Banners, Signs



54⁹⁵

The Print Shop. Design and print with a variety of borders, graphics, background patterns and type fonts. Draw original pictures or modify the pre-designed graphics included.

25-1304 54.95

Create Cards and Flyers

NEW
FOR **89**

54⁹⁵



Print Magic. Create greeting cards, certificates, banners, logos, invitations—just about anything that can be printed! Zoom in close to polish up details, or import art from many other graphics disks and print programs. Requires 512K or Tandy 1000 SL.

25-1265 54.95

Makes Award-Winning Printouts

NEW! Awardware. Express recognition in a multitude of ways. Print certificates, awards, announcements, upbeat coupons, tickets, checks and more! Just choose the graphics, fonts and borders you want and watch it go! 25-1227 14.95

Print Personalized Creations

NEW! PrintPower. A powerfully flexible tool for home, office and school. Design and print invitations, announcements, letterhead, notepaper, greeting cards, posters and multi-line banners. 25-1226 19.95

King's Quest IV, Police Quest and Space Quest II/TM Sierra On-Line. Thexder/TM Game Arts. Future Magic II: The Sentinel Worlds, Chuck Yeager's Advanced Flight Simulator and Earl Weaver's Baseball/TM Electronic Arts. Official TV Game Show/Copyright ShareData, Inc. (1987). Flight Simulator/TM subLogic Corp. Gunship and F-15 Strike Eagle/TM MicroProse. GFL Championship Football/TM Gamestar. The Print Shop/TM Broderbund Software. The Children's Writing & Publishing Center/TM The Learning Company. Print Magic/TM EPYX. Awardware and PrintPower/TM High Tech Expressions.

ACCESSORIES FOR TANDY 1000'S

Choose the Monitor That's Right for Your Personal Computer System



A EGM-1 Enhanced Graphics Monitor. High-resolution monitor (640 x 200 or 640 x 350) display text and graphics in 16 to 64 colors. 14" screen. (Requires EGA Video Adapter—25-3048). 25-4035 699.00

B CM-11 RGBI Color Monitor. 13" screen displays 80 x 25 text, 640 x 200 graphics. 25-1024 399.95

C CM-5 RGBI Color Monitor. 13" screen displays 80 x 25 text, 320 x 200 graphics. 25-1043 299.95

D VM-5 Monochrome Monitor. 12" screen displays 80 x 25 text, 720 x 350 graphics. 25-3011 149.95

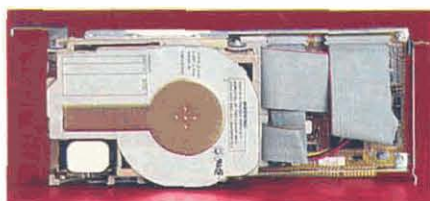
E VM-4 Monochrome Monitor. 12" screen displays 80 x 25 text, 640 x 200 graphics. 25-1020 129.95

EGA Video Adapter. For 1000 SX/TX/SL/TL. Combines on a single card the text, graphics and color capabilities of EGA, CGA, MDA, Plantronics™ and Hercules™ Graphics. 25-3048 249.95

Monitor Extension Cable. 6' shielded, DB9M-DB9F, (not for VM-4). 26-257 14.95

Add a Hard Disk Drive or Floppy Disk Drive to Your Computer System

20- and 40-Meg Hard Disk Cards



Low As

599⁰⁰

Low As \$30
Per Month*

- User-Installable Hard Disk Cards
- Add 20 or 40 Megabytes of Storage
- Mounts in a 10" Card Slot

20-Megabyte Hard Disk Card. For the Tandy 1000, Tandy 3000 HL/NL, IBM PC or PC compatible. With installation manual and special installation software. 25-1032 .. 599.00

NEW! 40-Megabyte Hard Disk Card. For Tandy 1000s/3000/4000 or PC compatible. Includes installation manual and special installation software. 25-4059 799.00

Add an External Hard Disk Drive



699⁰⁰

Low As \$40
Per Month*

20-Megabyte External Hard Disk Drive. Cable Kit and installation required for secondary unit. Requires Hard Disk Controller Board (25-1007). 25-1041 699.00

Hard Disk Controller Board. For Tandy 1000 SX/SL and original Tandy 1000 only. Includes cable for use with 10 or 20-megabyte hard disks. 25-1007 299.95

3 1/2" and 5 1/4" Floppy Disk Drives

Low As

169⁹⁵

- Expand the Power of Your Computer With a Floppy Drive
- Ideal for Program and Data Storage



External Drives

5 1/4" 360K External Disk Drive for Tandy 1000 EX/HX. Makes backing up diskettes much easier. 25-1060 249.95

3 1/2" 720K External Disk Drive for Tandy 1000 EX/HX. Provides twice the storage of a 5 1/4" drive and uses smaller, more durable diskettes. Special features in the Tandy 1000 EX allow you to store programs on this disk drive and load them directly. 25-1061 279.95

Internal Drives

5 1/4" 360K Disk Drive Kit. Mounts internally. Installation recommended (not included). For Tandy 1000 SX/TX/SL/TL. 25-1063 169.95

3 1/2" 720K Disk Drive Kit. For use with Tandy 1000 HX (installation recommended). Or use in Tandy 1000 and PC Compatibles with 3 1/2" and 5 1/4" adapter (below). Drive is 32 mm in height. 25-1065 169.95

3 1/2" to 5 1/4" Adapter Bracket for 3 1/2" Disk Drive Kit. (Only for use with 25-1065.) 25-1066 29.95

NEW! 3 1/2" 720K Internal Floppy for Tandy 1000 TL. Adds 720K storage to your 1000 TL. Drive is 1" in height. 25-1075 169.95

TANDY 1000 UPGRADE & EXPANSION

Memory Boards and Expansion Kits to Increase the Power of Your System

Memory PLUS Expansion Adapter. Expands your Tandy 1000 EX/HX to 384K and adds DMA circuit to speed up computer operations. Sockets allow addition of another 256K using Memory Kit (25-1079) below. Also provides connectors for the addition of two PLUS Upgrade Boards. 25-1062 149.95

NEW! 256K Memory Kit. Adds 256K to Memory PLUS Expansion Adapter (above) or expands Tandy 1000 SX from 384K to 640K. Contains eight 256K x 1 drams. 25-1079 129.95

NEW! 128K Memory Kit. Upgrades Tandy 1000 TX/TL from 640K to 768K and Tandy 1000 SL from 384K to 640K (requires two kits). Contains four 64K x 4 drams. 25-1078 69.95

Enhance Your System Communications



Low As **99⁹⁵** Low As \$15 Per Month*

See Page 26 for Complete Descriptions

NEW! 2400-bps Half Card Modem. 25-1037 179.95
1200-bps PLUS Style Modem. 25-1018 99.95
1200-bps Half-Card Modem. 25-1013 99.95

Add 80286 Speed to Your Tandy 1000

399⁹⁵ Low As \$20 Per Month* Get 80286 Power on a Half-Slot Accelerator Card

286 Express Upgrade Board. Upgrades the original Tandy 1000/1000A/1000 SX to the power of the 80286 microprocessor. Increases performance from 200 to 600 percent. You'll increase productivity in graphics, database searches, windowing and other applications. The 80286 card runs at 7.2 MHz and features 8 Kb of cache memory, an optional 80287 math coprocessor and direct memory access compatibility. Selectable 80286/8088 modes. Original Tandy 1000 requires AXX-7130, \$39.95. Special order required. 25-1035 399.95

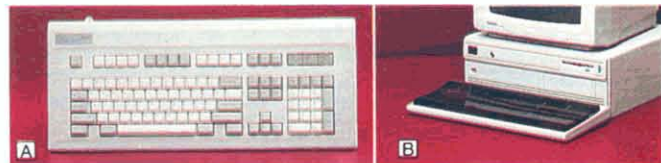
Tandy 1000 EX/HX PLUS Upgrade Boards

PLUS RS-232 Serial Interface. Connects serial devices like a mouse or modem. DB25F Connector. 25-1031 59.95

PLUS Network 4 Adapter. Use the Tandy 1000 EX/HX as a low-cost system in an educational network. 25-1019 299.95

PLUS Upgrade Adapter Board. Allows you to use PLUS Upgrade Boards in a standard PC card slot. 25-1016 14.95

Keyboard Expansion Options



[A] 101-Key Enhanced Keyboard. Requires 25-1030 for use with Tandy 1000s. 25-4038 119.95

[B] NEW! Keyboard Cover. For the Tandy 1000 SL, TL, 3000 NL, 4000 LX Enhanced Keyboards, and IBM 101-Enhanced Keyboards. 17⁵/₈ x 6¹/₄". 26-1336 7.95

Universal Keyboard Adapter. For Tandy 1000/1000 SX/TL. Connect an enhanced 101-key keyboard or IBM PC compatible keyboard. Special order required. For use with special purpose software. 25-1030 99.95

5' Keyboard Extension Cable. For 1000/1000 SX/TL. 26-1389 14.95

Run MS-DOS and Apple® IIc Software on Your Tandy 1000 With TRACKSTAR 128

399⁹⁵

Low As \$20 Per Month*

- Adds Versatility to Your System
- Used in Schools from Coast to Coast



TRACKSTAR 128. Now you can run Apple IIc educational and game software on your Tandy 1000 SX/SL/TL or TL computer with the TRACKSTAR 128 adapter. Imagine having the best of both worlds in one computer. Thousands of Tandy 1000s with the TRACKSTAR adapter are used in schools where they provide instructional support on MS-DOS and Apple IIc software. It's software compatible with the most widely used programs, including M.E.C.C., Sunburst, The Learning Company, Appleworks, Printshop and many more. Supports the use of Apple joysticks or game port devices such as Muppet Learning Keys. Installation required (not included). Special order may be required. 25-1028 399.95

*Tandy 1000 TX and TL requires 5¹/₄" disk drive (not included). Apple and Apple IIc/Reg. TM Apple Computer, Inc. Muppet Learning Keys/TM Henson Associates, Inc. available from Sunburst Communications.

Simplify Program Cursor Control



[A] Logitech Serial Mouse.

3 Buttons with DB9F Connector. 26-1199 99.95

3 Buttons with DB25M Connector. 26-1200 99.95

[B] Tandy Serial Mouse. Microsoft compatible serial mouse plugs into any DB9M serial port. 25-1040 49.95

Serial Port Adapter. DB25 male to DB9 male. 26-1388 7.95

[C] Deluxe Color Mouse. 26-3125 49.95

[D] NEW! Mouse Pad. 9³/₈ x 7⁷/₈" in size. 26-237 6.95

Time/Date in a Chip

399⁹⁵ User Installable

SmartWatch. A perpetual clock calendar with battery backup in a chip. 25-1033 39.95

Joystick Action

299⁹⁵



Deluxe Joystick. Gives accurate cursor control. For all Tandy 1000 computers. 26-3012 29.95

Handy Computer Reference Guides



Learning BASIC for Tandy 1000. By Dr. David Lien. 25-1500 19.95

MS-DOS: The Basics, Vol. 1. 25-1506 7.95

MS-DOS: Advanced Applications, Vol. 2. 25-1507 14.95

MS-DOS/GW-BASIC Reference Guides. 25-1508 29.95

Graphics and Sound for the Tandy 1000. 25-1512 7.95

See page 27 for more information on these books.

MODEMS & COMMUNICATIONS



Three Popular Internal Modems at Affordable Prices

Low As

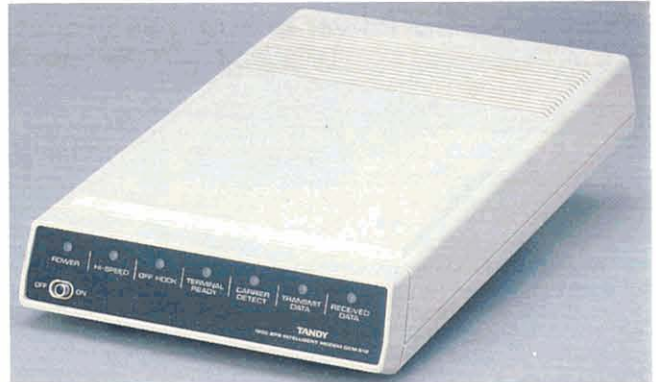
99⁹⁵

All three modems feature full Hayes® command set, auto-dial/answer, monitor speakers and telephone line cord. Bell 212A compatibility at 1200 bps and Bell 103 compatibility at 300 bps. Modem boards are FCC registered.

NEW! 2400-bps Half Card. High-speed modem for added savings in connect-time. CCITT V.22 bis. 25-1037 179.95

New Low Price! 1200 bps PLUS Card Modem. The PLUS card is designed specially to fit the Tandy 1000 EX/HX on the Memory PLUS Expansion Board (25-1062) or other PC-compatible with optional PLUS Upgrade Adapter Board (25-1016). Was \$199.95 in RSC-19. 25-1018 99.95

New Low Price! 1200-bps Half Card. For the Tandy 1000/3000/4000, and PC- compatibles. Switchable 1200/300-bps. Was \$199.95 in RSC-19. 25-1013 99.95



300/1200-bps Intelligent Modem

NEW FOR 89

129⁹⁵

Was \$199.95
in Cat. RSC-17B

Low As
\$15 Per Month*

DCM 112. Great for use with DeskMate telecommunications programs. Auto-dial/auto-answer modem is switch selectable between Hayes and Tandy command set for XENIX. Easy-to-use menu-driven operation automatically selects 300 or 1200 bps rate. Bell 212A compatible. FCC registered. UL listed. 26-1385 129.95

Direct-Connect Modem



59⁹⁵

300-bps
Transmission Speed

DCM 6. Our lowest priced modem! Uses standard DB25 serial connector plus 8-pin DIN. Full-duplex operation, originate/answer modes. With modular phone cable. Bell 103 compatible. FCC registered. UL listed. 26-1393 59.95

Acoustic Coupler 2



59⁹⁵

Handset
not included

Acoustic Coupler 2. Fits round or square handsets—ideal for use where direct connection may not be possible. Use with portable computers or DCM 6. 300 bps. Bell 103 compatible. FCC registered. UL listed. 26-3818 59.95

2-Line Phone With Modem

99⁹⁵



Low As \$15 Per Month*

Modemfone™ 300. Switchable touch-tone/pulse dialing. One-touch redial, hearing-aid compatible. Full duplex, originate/answer, 300 bps. Bell 103 compatible. FCC registered. UL listed AC adapter. 26-1375 99.95

Access National News and Information by Computer and Phone



NEW! PC Link™. Uses the DeskMate interface to make it easy to use. Contains the terminal package necessary to run all PC-compatible computers. PC-Link is the lowest-priced full service network. For only \$9.95 a month you get unlimited access to a wide range of services including up-to-the-minute news, the encyclopedia, the Tandy Hotline and much more. No surcharges for 1200 bps access either! And there's no obligation—you may cancel at anytime. You don't have to memorize any complicated commands—all you do is select options from the colorful, easy-to-read menus. Complete with User Guide, Local Access Phone Numbers, and one free month of service. 25-1255 29.95

CompuServe Information Service. Access CompuServe through a local call in most major U.S. metropolitan areas! Some of the extraordinary features of CompuServe include: Communications and Bulletin Boards, Money Matters & Mar-

kets, Financial Transaction Services, Electronic Shopping, News, Weather and Sports, Travel Information, Entertainment and Games, Education and Reference and many others. Complete kit includes ID number and password, \$25.00 user credit, complete User Guide, configuration diagram, reference cards, complete directory of local telephone access numbers and Information Service rates, subscription to CompuServe's monthly news magazine, *Online Today*, once you've subscribed and more. 25-1257 29.95

OmniTerm 2™. Lets you communicate with a mainframe or a XENIX system as a VT100 terminal, transfer files with or without error detection/correction, access information services and communicate with other micros. Requires RS-232 port and modem. 25-1160 129.95

Network Courier™. Allows a group of personal computers connected together over a local area network to send messages, files and programs from one user to another, plus many more networking functions. Requires 384K and ViaNet. 26-1228 695.00

Use Modems only with Bell-compatible equipment. Direct-connect modems are not for multi-line use without optional-extra controller. Hayes/TM Hayes Microcomputer Products, Inc. Modemfone/TM Tandy Corp. CompuServe/TM CompuServe, Inc. DeskMate/TM Tandy Corp. Network Courier/TM Consumers Software Inc. OmniTerm2/TM Lindbergh Systems Inc. PC-Link/SM Quantum Computer Services.

COMPUTER REFERENCE BOOKS



Tandy 1000

NEW! Guide to Personal DeskMate 2. Easy-to-understand, step-by-step instructions on how to get the most from this all-in-one personal productivity software package. Includes Professional DeskMate too! Written by Dr. David Lien. 25-1509 19.95

Learning BASIC for Tandy Computers. An excellent tutorial for learning BASIC programming by Dr. David Lien, author of our famous Model I Owner's Manual. 25-1500 19.95

MS-DOS: The Basics, Vol. 1. Describes set-up, preparing diskettes, managing files and using a hard disk. 25-1506 7.95

MS-DOS: Advanced Applications, Vol. 2. Covers file structure, controlling data flow, personalizing your system as well as troubleshooting. 25-1507 14.95

MS-DOS/GW-BASIC Reference Guides. Includes reference materials for MS-DOS and GW-BASIC 2.11 and 3.20. 25-1508 29.95

Graphics and Sound for the Tandy 1000. Take full advantage of your Tandy 1000's graphics and sound potential. BASIC commands make your 1000 come alive with animation, 3-D graphics, sound effects and more! 25-1512 7.95

Technical Reference Manual. Includes schematic diagrams and theory of operation.

For Tandy 1000. 25-1504 29.95

For Tandy 1000 EX. 25-1510 34.95

For Tandy 1000 SX. 25-1511 34.95

For Tandy 1000 HX. 25-1513 39.95

For Tandy 1000 TX. 25-1514 39.95

NEW! For Tandy 1000 SL. 25-1516 49.95

NEW! For Tandy 1000 TL. 25-1517 49.95

Tandy 1400 LT

Technical Reference Manual. 25-1515 39.95

Tandy 4000

NEW! Tandy 4000 Technical Reference. 24-4108 . . 99.95

Portable Computers

NEW! Tandy 102 Reference Manual. A guide to the theory of operation and technical specifications of the Tandy 102. 90 pages. 26-252 9.95

Tandy 200 Book. A complete step-by-step tutorial for your Model 200 lap top by Dr. David Lien. 26-3869 19.95

Color Computer

BASIC 09 Tour Guide. A complete reference guide of system commands. Conveniently lists each BASIC 09 keyword in alphabetical order. 26-3189 14.95

Rainbow Guide to OS-9 Level Two. Covers OS-9 Level Two, BASIC-09 and the "window" manager. Written in the same friendly style as Rainbow Guide to OS-9. 26-3188 19.95

Reference Books

NEW! Using Microsoft Word, 2nd Edition. Complete instructions on the use of this powerful software. 90-1226 . . 19.95

NEW! Using WordPerfect 5.0 Lets you learn to understand and apply the features of this super word processing program. 90-1227 21.95

NEW! Using 1-2-3, Special Edition. 90-1228 24.95

Network Primer. Describes the way local-area networks (LANs) operate. Provides insight into useful LAN applications. Includes glossary of LAN terms. 26-1247 14.95

Micros Mean Business. A practical guide for business. Shows how to analyze your company's computer needs and help you make educated decisions regarding the upgrading of your business. 26-4941 5.95

Telephones For Business. Overview of various phone systems for different commercial applications. 62-1382 7.95

Computer Science

Understanding Data Communications. Explains the transmission of words and symbols from a source to a destination. 256 pages. 62-1389 3.95

Understanding Digital Electronics. Explains digital electronic devices, circuits and systems. 240 pages. 62-2010 3.95

Digital Radio for Ham Operators. 160 pages. 62-1332 6.95

Understanding Artificial Intelligence. Covers symbolic processing, expert systems, natural language processing and system applications. 272 pages. 62-1399 3.95

SPECIAL ORDER HARDWARE

Choose From a Variety of Options

Now You Can Expand Your Computer System With the Latest Technology

The special expansion boards and other hardware enhancements that you need are now available through our exclusive Special Order Hardware service. These expansion options are performance proven, and professionally supported by the independent manufacturers. Special Order items can be ordered at any Radio Shack Computer Center, participating Radio Shack store or dealer. See page 31 for special notice.

Math Coprocessors

Intel 80387-20 Math Coprocessor. (Pictured) Operates at 20 MHz. For Tandy 5000 MC/4000 LX. 90-2193 1195.00

Intel 80387-16 Math Coprocessor. Operates at 16 MHz. For Tandy 4000. 90-2131 795.00

Intel 80287-10 Math Coprocessor. For 3000 NL. 90-2192 490.00

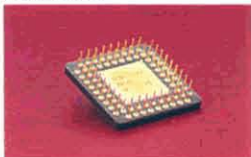
Intel 80287-8 Math Coprocessor. For Tandy 3000 HL and Tandy 1000 TX/TL. 90-2191 410.00

Intel 8087 Math Coprocessor. Increases the speed of math-intensive and graphics programs up to 10 times! Coprocessors are user-installable.

For Tandy 1000 SX/SL/1400 LT. 8 MHz. 90-2121 .. 250.00

For Tandy 1000A/1200/PC. 5 MHz. 90-2120 175.00

Trionix 8087 Adapter. Allows you to add a Math Coprocessor to your Tandy 1000 or Tandy 1000 HD to speed up CAD and other applications by as much as 10 times. Requires special software. For 25-1000 and 25-1001 only. 8087 Math Coprocessor sold separately. 90-2070 240.00



Specialty Expansions

Intel Inboard 386/AT Piggyback Memory with 1 MB. (Pictured) Memory expansion option for the Inboard 386/AT. Expandable to 2 MB with 256K RAM chips. 90-2130 795.00

PC Technologies 286 Express Accelerator Card. User-installable accelerator card that replaces the 8088 microprocessor with an 80286 microprocessor. Tandy 1200, IBM PC and PC/XT-compatible. 90-2065 499.00

X-10 POWERHOUSE Computer Interface. Transmits up to 128 timer events to X-10 or Radio Shack Plug 'n Power modules. 90-2087 49.95

STB Super I/O II. Provides four I/O functions for Tandy 1000/3000/4000 and other PCs. With parallel/serial/game ports and clock/calendar. 90-2071 179.00

STB Rio PLUS II. For Tandy 3000/4000. 256K RAM, parallel printer, serial ports and clock/calendar. 90-2072 325.00

Intel Inboard 386/AT with OK. Intel 80386-based enhancement board for Tandy 3000, IBM AT and compatibles. Expandable to 1 MB with 256K-bit chips. 90-2127 1395.00

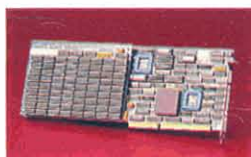
Intel Inboard 386/AT Cable Kit for Tandy 3000 and AT-Compatibles. 90-2128 200.00

Intel Inboard 386/AT Cable Kit for IBM AT. 90-2129 200.00

Metrabyte DAS-16 Data Acquisition System. High-speed analog and digital interface board for Tandy 3000 and PC compatibles. 90-2157 955.00

Metrabyte PIO-12 Parallel Digital I/O Interface. For Tandy 1000/3000. Provides 24 TTL/DTL compatible I/O lines, interrupt input and enable lines and external connections. 90-2158 115.00

Metrabyte Screw Termination Accessory Board and Cable for Use with DAS-16 and PIO-12. 90-2159 115.00



Memory Expansion/Upgrades

Micro Mainframe EMS-5150T Expanded Memory for Tandy 1000. Provides up to 2 megabytes of expanded memory by using 64-256Kx1 DRAM chips. Conforms to Lotus/Intel/Microsoft standard (version 3.2). For Tandy 1000 SX/TX/SL/TL. 90-2161 199.99

STB Memory Companion/PC. Offers bank switching for the Tandy 3000/4000 and the IBM PC, XT, AT and compatible systems. 90-2027 415.00

AST Advantage. Offers up to 3 megabytes of memory, 2 serial ports, parallel port and game adapter port. For the PC-AT and compatibles. 90-2051 399.00

AST RAMpage. Enhanced Memory Specification combined with DESQview. Up to 2 megabytes of memory. For PC and XT (with 256K). 90-2052 495.00

For AT (with 512K). 90-2053 695.00

Orchid CDRAM. 2 MB LMM board. 90-2066 645.00

Intel Above Board 286 with 512K. Memory expansion board for the Tandy 3000, 3000 HL and AT compatibles running up to 12.5 MHz, and IBM PC, XT and compatibles running up to 8 MHz. Expandable to 2 MB with 256K RAM chips. 90-2124 515.00

Intel Above Board PS/286 with 512K. Contains parallel and serial ports, also multifunction expansion. 90-2125 559.00

Intel Above Board Piggyback Memory with 512K. 90-2126 545.00

Music and Speech

Mellotron MUART 4-Port MIDI Interface Board. (Pictured) Compose, record, edit, mix and playback your own compositions on your PC with this user-installable board. Allows simultaneous recording of up to 4 separate MIDI networks. Includes sequencing software with 48 tracks, complete individual MIDI event reading and real-time interactive controls. For Tandy 1000/3000/PC-compatibles. 90-2119 695.00

Ad Lib Personal Computer Music System. A complete musical hardware/software system for PCs. Comes complete with an 11-voice Ad Lib Music Synthesizer card, Juke Box Playback program, Visual Composer software and instruction booklet. For Tandy 1000/3000/PC-compatibles. 90-2155 245.00

Street Electronics Echo PC+ Speech Synthesizer. Adds speech to your custom programs as well as to talking programs that support the Echo. Provides unlimited vocabulary, text-to-speech in a robotic voice; a limited vocabulary, high-quality female voice that uses very little memory; and a digitized (recorded) voice. For Tandy 1000 SX/3000/PC-compatibles. 90-2164 179.95

Street Electronics Echo 1000 Speech Synthesizer. The same advanced voice-synthesis features as 90-2164 (above) for use with the Tandy 1000 HX/EX. 90-2163 149.95



SPECIAL ORDER HARDWARE

Alternative Mass Storage Options

Hitachi® CDR-1503S CD-ROM Drive. (Pictured). Slim-line stand-alone drive. Built-in CD-audio hardware with audio line and volume-controlled stereo headphone output. Includes interface card, drive cable and Microsoft CD-ROM extensions with documentation. 552 MB formatted. For Tandy 1000/3000/4000/PC compatibles. 90-2156 995.00



Weltec 5 1/4" 360K External Drive for 1400 LT. 90-2220 249.00

Weltec 5 1/4" External Apple IIc Compatible Drive. For use with TRACKSTAR Board (25-1028) when installed in Tandy 1000. 90-2221 199.95

Manzana MDQT External 3 1/2" 720K Disk Drive. Enables 5 1/4"-based desktops to read and write virtually all 3 1/2" formats. For Tandy 1000/3000/PC compatibles. 90-2134 410.00

NEW! PRIAM 130MB External Hard Drive. (Pictured). Stores 5 times more data than most PCs. For Tandy 1000/3000/4000/PC-compatibles. 90-2100 3290.00



Videotrax VCR Backup. Uses VCR to transfer data from hard disk to video tape. 90-2112 399.00

Videotrax VCR. 90-2118 800.00

Archive 60 MB External Tape Drive. 90-2461 1295.00

Archive 150 MB Internal Tape Drive. 90-2462 1395.00

Archive 150 MB External Tape Drive. 90-2463 1795.00

Archive MC Tape Adapter. 90-2464 299.00

Advanced Applications Enhancements

Keyboard Enhancements

Genest Technologies Command Patch System for Tandy 1000. Speeds up and simplifies use of all popular, supported programs. 90-2152 159.95
For Tandy 3000/4000. 90-2153 159.95

Scanning Devices

AVR MegaScan II Scanner System. (Pictured). Integrated hardware/software flatbed scanner. 90-2210 3290.00

AVR MegaRead Optical Character Recognition Software. Requires 90-2210. 90-2211 495.00

The Complete PC Hand Scanner. A hand-held image scanner for Tandy 1000/3000/4000/PC compatibles. Ideal for adding real-world images to personal publishing. You can scan art work, logos and symbols from popular graphics programs for inclusion in manuals, brochures and other documents. Scans 2 1/2" wide image at 200 dots per inch. Includes software. 90-2108 249.00



Bar Code Reader

Aedex BCS-100 Bar Code Reader. Complete system offers bar code scanning, printing and remote device input communications all in a short board. 90-2132 695.00

Light Pens

Warp Speed Light Pen. With free driver software for Tandy DeskMate®, Microsoft® Windows and a File Controller.

For Tandy 1000 SX. 90-2069 199.99

For Tandy 1200. 90-2074 199.99

Lite Pen Company Lite Pen. With software for draw/paint, world/national maps and computer tutorials.

For Tandy 1000 SX. 90-2085 179.95

For Tandy 1200. 90-2086 179.95

Voice Mail and FAX

The Complete PC Answering Machine. Personal voice mail system for Tandy 1000/3000/4000/PC compatibles. 90-2137 349.00

The Complete PC FAX. Add-in card with software lets your PC communicate with any Group III fax machine anywhere in the world. Has the features of high-end dedicated fax machines like scheduled transmission, broadcast to multiple recipients and polling. For Tandy 1000/3000/PC compatibles. 90-2109 399.00

New! Drawing Tablets

Kurta IS/ONE Tablets with 4-Button Cursor.

12 x 12. 90-2195 645.00

12 x 17. (Pictured).

90-2196 995.00

Replacement 4-Button Cursor.

90-2197 100.00



Mouse Input Devices

Microsoft Mouse. Great for use with Tandy and other PC-compatibles. Quiet, reliable performance.

Serial. 90-2116 150.00

Bus. 90-2117 150.00



XENIX and CP/M Operating Environments

SCO® XENIX™ 286 Complete. Includes the SCO XENIX Operating System plus the Development System with Source Code Control, Interactive Debugger, "C" Program Checker, Maintenance Tool and more. For Tandy 3000/4000/AT compatibles. Requires 1 MB RAM and hard disk. 90-1500 1295.00

SCO XENIX Operating System. Extensive set of programs, utilities and subroutine libraries designed to facilitate "C" language software development. For Tandy 3000/4000/AT compatibles. Requires 1 MB RAM and hard disk. 90-1501 595.00

NEW! SCO XENIX 386-MC. For use with the Tandy 5000 MC. 90-1570 795.00

NEW! SCO XENIX Development System-MC. 90-1571 795.00

NEW! Montezuma CP/M 2.2 Operating System. Allows use of all public-domain "bulletin board" software using standard 8-bit Z-80 operating system to be downloaded to your Model 4/4P/4D. Requires no hardware modifications. 90-600 169.00

CP/M 2.2/TM Montezuma. Apple IIc/TM Apple Computer. Hitachi CD-ROM/TM Hitachi. Videotrax VCR and VCR Backup/TM Videotrax. Archive Tape Drive/TM Archive. Command Patch 1000 and 3000/TM Genest Technologies. The Complete Hand Scanner, The Complete Answering Machine and The Complete PC FAX/TM Complete PC. MegaScan II and MegaRead/TM Advanced Vision Research. BCS-100 Bar Code Reader/TM AEDEX. Warp Speed/TM Warp Speed Computer Products. MDQT and Manzana/TM Manzana. Lite Pen/TM Lite Pen Company. Kurta/TM Kurta. Microsoft WINDOWS and XENIX/Reg TM Microsoft Corp. SCO/Reg. The Santa Cruz Operation. PRIAM/TM PRIAM Systems Division. DeskMate/Reg. TM Tandy Corp. Weltec/TM Weltec.

SPECIAL ORDER HARDWARE

Choose From a Broad Spectrum of Portable Communications Enhancements



TouchBase Systems WorldPort 1200. (Pictured) Battery-powered 300/1200-bps modem designed for laptop users on the go! Only 4 x 2 1/2 x 1 1/2". Bell 212A/103, CCITT V.22, Hayes® compatible.

90-704 199.00

Migent Pocket Modem. Literally fits in a pocket! 1200 bps.

Plugs directly into RS-232 serial port. Utilizes standard Hayes-compatible command set.

90-707 159.00

Microperipheral The Black Jack. Portable modular telephone jack attachment for computer telecommunications. Compatible with Bell, ITT, GTE and Radio Shack telephones. Improves line sensitivity and telecommunications performance. 90-706 49.95

Novation MA-100 Modem Adapter. Allows use of a modem with personal and laptop computers where direct access through a modular jack is not available. Allows communications at 300 bps under normal conditions (and sometimes 1200 bps). Battery powered.

90-710 129.00

GCH Systems EasyData 1200 bps External Modem. (Pictured) Bell 212A standard and Hayes-compatible modem in a nice compact package. Features auto-dial/answer, call progress monitoring, as well as adaptive dialing. RS-232 serial interface. 90-2166 ... 129.00



Novation Parrot 1200 Compact 300/1200 bps External Modem. A unique, space-efficient external modem at an affordable price. Bell 103/212A and Hayes/AT compatible. Efficient power management system draws power only when needed, and from host computer's serial interface so there's no additional power required to operate the modem. Not for Tandy 102/200/600.

With IBM-Compatible Software and DB25 cable.

90-2170 135.00

With IBM-Compatible Software and DB9 cable.

90-2171 135.00

ATD Internal 2400 bps Modem for 1400 LT. Supports CCITT V.22 bis for 2400 bps and Bell 212A/CCITT V.22 for 1200 bps. Hayes AT command set-compatible.

90-2222 299.95

GCH Systems EasyData 2400 bps External Modem. CCITT V.22 bis standard, Hayes-compatible. Auto-dial/answer, call progress monitoring and self tests. Phone number and modem parameter storage. RS-232 serial interface.

90-2175 199.00

Best Data Products SMART ONE 2400 B Modem Half Card. 2400/1200/300 bps. Bell 103/212A and Hayes-compatible. Auto-dial/answer. For Tandy 1000/3000/4000, PC/XT and AT compatible computers.

90-2180 199.00

CTS 2424AMH External Modem. Service Class 4 MNP error correction protocol compatible. Dynamic adaptive equalization provides better overall bit error rate performance over varying telephone line conditions. V.22 bis/Bell 212/103.

90-2178 369.00

Microcom AX/2400 and AX/2400c External Modems. True MNP high-performance. Provides error-correcting throughput up to 2900 bps (up to 4800 via Data Compression on the AX/2400c) even on the noisiest lines.

AX/2400 MNP Class 4. 90-2145 599.00

AX/2400c With Compression. MNP Class 4 and 5.

90-2146 699.00

Ven-Tel 24/2 Internal Modem. 2400/1200/300 bps asynchronous. CCITT V.22 bis. Bell 103/113/212A compatible. IBM Micro Channel bus interface.

90-2198 449.00



Microcom AX/9624c High-Performance Protocol Modem. (Pictured) MNP Class 5 and 6 compression and error-correction provide effective throughput of up to 19.2K bps, ideal for 3Com applications. Universal Link Negotiation™ allows connection with other compatible MNP or non-MNP modems at the highest possible

level, with support for V.29 FT, V.22 bis, V.22, Bell 212A and 103. Asynchronous or synchronous operation, full call-progress monitoring. Not recommended for XENIX applications. 90-2183 1299.00

Presentation System

1025⁰⁰



Low As
\$52 Per Month*

Kodak DATASHOW System. Projects what is on your CGA monitor (not for VGA/EGA) through an overhead projector to a giant overhead screen! Includes projection pad, remote control, connecting cable, power pack and software.

90-2182 1025.00

Portable Computer

PG Designs 224K RAM Expansion Module for Model 100. User-installable upgrade is like having 8 Model 100s at your command! Comes with transfer program on cassette. Includes battery for battery backup. 90-720 ... 499.00

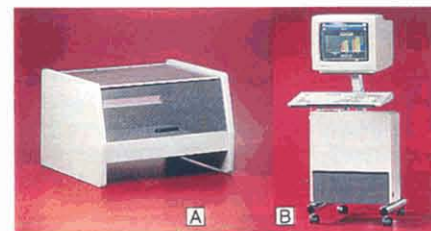
Traveling Software TS-DOS. A complete operating system for Tandy Portable disk drives. Lets you list files both on disk and in RAM.

For Model 100/102. 90-702 69.95

For Tandy 200. 90-703 69.95

Traveling Software LAPDOS 1.3. Bridges the gap between MS-DOS® and Tandy Portable Disk Drive (26-3808 or 26-3814). 9600 to 19,200 bps. With manual, disk and RS-232 serial port adapter. 90-705 89.95

Furniture



A Ring King Acoustic Covers.

For 80-Column. 90-2187 99.95

For Low-Profile 132-Column. With fan. 90-2188 279.00

For "Tall" 24-Wire Dot Matrix and All Daisy Wheel. 90-2189 349.00

B Omnium PC Caddy. Self-contained computer stand. (Computer system not included.) 90-2184 299.00

*REVOLVING CREDIT AVAILABLE—See Page 3. WorldPort 1200/TM TouchBase Systems. Migent Pocket Modem/TM Migent Inc. Hayes/Reg. TM Hayes Microcomputer Products. The Black Jack/TM Microperipheral Corp. MA-100 and Parrot 1200/TM Novation. EasyData/TM GCHSystems Inc. IBM/Reg. TM IBM Corp. SMART ONE/TM Best Data Products Inc. CTS 2424AMH/TM Fabri-Tek Inc. AX/2400, AX/2400c and AX/9624c/TM Microcom. Ven-Tel 24/2/TM Ven-Tel, Inc. DATASHOW/TM Kodak. 224K RAM Expansion Module for Model 100/TM PG Design Electronics Inc. TS-DOS and LAPDOS 1.3./TM Traveling Software. MS-DOS/Reg. TM Microsoft Corp. PC Caddy/TM Omnium.

SPECIAL ORDER HARDWARE

Workstation Environment Enhancements

System 3270

ITI LinkUp 3270 Remote Workstation. Emulates REMOTE IBM® 327X display station using either SNA/SDLC or BSC protocol. Includes hardware adapter, software, keyboard template, diagnostic disk and manuals. 90-1695 995.00

ITI LinkUp 3270 COAX Workstation. Emulates LOCAL IBM 327X. Coax to host communications controller. Includes hardware adapter, software, keyboard template, diagnostic disk and manuals. 90-2020 650.00

AST SNA and BSC. Complete hardware and software solutions providing full IBM 3270 terminal emulation.

AST SNA. 90-2038 895.00

AST BSC. 90-2030 695.00

AST-3270/Coax II CUT. 90-2042 895.00

AST-3270/Coax II A CUT. 90-1689 895.00

System 3780

AST-3780. Allows your PC to emulate IBM's 2770, 2780, 3741 and 3780 terminals. 90-2049 895.00

AST-3780A. 90-1691 895.00

ITI LinkUp 3780 RJE Workstation. Emulates REMOTE IBM 2780 RJE or 3780 RJE display stations. Uses RS-232C modem interface for up to 19.2 bps. Includes hardware adapter, software, diagnostic disk and manuals.

90-1696 995.00

System 3X

AST-5251/11. Allows your PC to emulate IBM 5151 Model 11 terminals without change. 90-2050 895.00

AST-5251/12. Allows your PC to emulate IBM 5251 Model 12 terminal. 90-2044 790.00

AST-5251/12A. IBM Micro Channel version of AST-5251/12. 90-1692 790.00

Multuser Communication

Smartport. An intelligent serial I/O board for Tandy 3000/4000.

4-Port. 90-2185 995.00

8-Port. 90-2186 1295.00

IntelliPort PS8. Intelligent 8-port I/O board for up to 32 users or devices on the Tandy 5000MC or IBM Micro Channel bus compatibles. 90-2286 1295.00

Printer/Modem Sharing

Server Technology EasyPRINT 3. Spools print files to hub's hard disk, then queues to target printer so that 3 PCs can share 1-4 printers. 90-1690 349.95

Omnitel Netcomm Q2400. Four 2400 bps modems on a single card. For Tandy 3000/4000 or IBM PC/XT/AT compatibles. 90-2136 1799.00

Omnitel Netcomm V-Com. Half-sized virtual asynchronous communication card which emulates a modem to application software. 90-2235 179.00

Omnitel Netcomm ACS Software. Provides large-number modem pooling on a 3Com LAN, eliminating the need for individual modems and phone lines. 90-2234 995.00

Telebyte Shorthaul Modem. Modem/line driver links RS-232-based devices. Full duplex, 19.2K bps. 90-2004 106.00

Telebyte RS-232 to Phone Plug Converter.

Telebyte Host. 90-2005 29.95

Telebyte Terminal. 90-2006 29.95

Power Conditioning

Shape Magnetronics Line Tamer. Don't let power fluctuations damage your valuable computer components or kill your data! This power regulator protects against voltage spikes, transients and noise while providing constant 120VAC to your computer. Choose 300 or 450 VA rating.



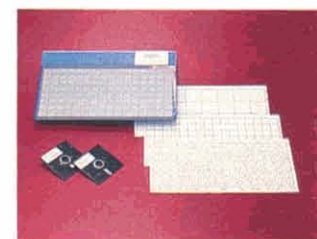
Shape Magnetronics PCLT 300 Power Regulator. 90-2141 199.00

Shape Magnetronics PCLT 450 Power Regulator. 90-2143 259.00

SAFE Power Systems Model 500. Backup power system that provides 500 watts of clean voltage regulated power for protection against voltage drops and power outages. Excellent choice for protecting personal computers. True sine wave output. 90-2150 795.00

SAFE Power Systems 1200. Provides 1200 watts of clean sine wave power which is both voltage regulated and current limit protected. Synchronized transfer during switching allows proper operation of all phase-sensitive devices. Excellent choice for protecting LAN and multiuser systems. 90-2151 1395.00

Special Needs



Unicorn Expanded Keyboard. (Pictured) Oversized keyboard with 128 large, touch-sensitive flat keys. 90-2199 325.00

DADA PC Assisted Keyboard. Changes standard keyboards to accept single-key commands. 90-5600 .. 50.00

DADA PC Serial A.I.D. Inter-

face between standard computer serial port (DB25) and a variety of devices, including the Unicorn expanded keyboard and TASH switches. 90-2190 300.00

TASH Pneumatic Dual Switch. Operated by puffing and sipping. Extended tube for swivel clamp mounting. 90-2201 220.00

CA-2 Connector Adapter. Connects Pneumatic Switch, other dual switches to the PC Serial A.I.D. 90-2205 27.50

TASH Ability Switches. Use these single switches to operate technical, communication, mobility, and computer aids.

Round "Cupped" Switch. 1.8" diameter. 90-2203 .. 40.70

Mini Cup Switch. 1" diameter. 90-2204 33.00

Square Pad Switch. 5 1/2 x 5 1/2". 90-2202 77.00

Red Plate Switch. 3 1/2 x 3 1/2". 90-2194 55.00

Important Information on Special Order Hardware

Products offered on pages 28-31 and certain manufacturer's products located throughout this catalog are supported directly by the hardware manufacturer. This includes questions related to the use of the products, as well as repairs or maintenance. The manufacturer, not Radio Shack, is completely responsible for the warranty of the product.

OUR COMMITMENT TO EDUCATION

We Understand Educational Needs

Radio Shack is dedicated to education. Since 1979, our Education Division has devoted its full-time effort to supporting Tandy/Radio Shack computers in the classroom. We offer one of the most comprehensive libraries of educational software available. Our professional Education Marketing organization of Education Marketing Managers and Education Specialists are specially trained to meet the instructional and administrative objectives of educators.



Meeting of the Minds

For the past five years, Radio Shack has co-sponsored the International Conference on Education and Technology with distinguished universities. This year's conference brought outstanding leaders in educational technology from 29 countries to further explore the applications of computer technology as well as the potential benefits and problems of computer usage in education.

Tandy Educational Grants Program

In 1983, we established the Tandy Educational Grants program to support, through donations, research and development activities in classroom computing. Awarded grant topics have ranged from "Creative Uses of Microcomputers in Education" to "Using Microcomputers with Special Education Students to Assist in the Transition to the World of Work." In November 1987, Tandy broadened grant topics to include, for the first time, "Innovative Uses of Video Technology in the Classroom." Any non-profit educational institution or individual involved in teaching and/or research is eligible for Tandy Educational Grants. Since the inception of the program, Tandy has awarded more than 1.5 million dollars in educational computer hardware and software products.

Educational Training and Support



We are committed to helping teachers and administrators use their Tandy Computers efficiently and effectively. We offer customized training and installation services, telephone support, support at your site and System Administrator services. Our Education Support Specialists, along with the Education Marketing Managers, are ready to provide the specialized training and support services that you need. Our commitment to education is the same as yours . . . it's our #1 job!

Administrative Network System



**TANDY
WORKGROUP
SOLUTIONS™**

Our Tandy/3Com Workgroup Solution can help improve communication between individual schools and your administrative office. School administrators and curriculum specialists can assemble student data and keep grade records and biographical information up-to-date. District objectives can be communicated quickly, repetitive paperwork can be reduced, and administrative decisions can be based on more accurate information. Our Education Marketing Managers and Education Specialists are available to discuss how your school can get People and PCs Working Together™ with the Tandy/3Com Workgroup Solution.

Educational Products Guide



The RSC-20E helps educators select the software and hardware they need to support and enrich their curricular and administrative objectives. More than 400 products from Radio Shack and noted educational publishers are described in this guide, and available by special order. The software descriptions, organized by computer model, include these categories: Business Education, Computer Literacy, Desktop Publishing, Fine Arts, Health and Nutrition, Reading and

Language Arts, Foreign Language, Logic/Problem Solving, Mathematics, Productivity, Science, Social Studies, and Teacher Utilities/Administrative.

People with Special Needs



The Radio Shack Special Needs Catalog 88SN is designed to introduce products for people with special needs. In addition to a variety of useful home electronics and computer products, there is a listing of educational software with special qualities for the learning disabled and speech/language impaired.

Get the Best of Both Worlds

Now you can expand with MS-DOS technology using the Tandy 1000 TX or SX, and still use any existing Apple software your school may have. The TRACKSTAR 128 board (see page 25) lets you use industry-standard MS-DOS software, as well as educational software designed for the Apple family of computers. TRACKSTAR supports Apple text and graphics modes, Apple joystick and connector devices, and for even more fun in learning, it supports music and sound, as well. MS-DOS skills will be a valuable tool in your students' future—now you can provide these features without losing any previous software investment.

Partners in Education



network of Training and Support Centers.

Radio Shack Partners include Columbia Computing Services Inc., CTB/McGraw-Hill, Tamarac Systems Inc., Guardian Educational Systems Ltd., Follett Software Company and Scantron Corporation.

Computer Learning Month



Radio Shack is a principal sponsor of Computer Learning Month—a month devoted to increasing public awareness of how computers are used as educational tools at home, work and school. Computer Learning Month is a non-profit educational program endorsed by major national educational organizations such as the NEA and the NSBA, State Departments of Education and even the U.S. Senate.

SHARED LEARNING SYSTEMS

SchoolMate Education Network

- Manage Assignments, Grading and Exam Preparation
- Share Hardware and Software Resources
- Easy Installation of Network and Applications Software



Based on the industry-standard 3Com network, SchoolMate is an integrated collection of applications and utilities designed to assist students, teachers and administrators in organizing and creating information, and in managing application software, time and resources. At the heart of SchoolMate is an integrated software package designed around Tandy's well-known DeskMate format and 3Com's 3+ Share.

Teachers can schedule lessons, prepare exams, keep class rosters and calculate grades with this automated system. Student data such as name and I.D. number can be easily transferred to SchoolMate using administrative solutions programs from leading software publishers. And students have the benefit of working with an easy-to-use system that not only presents their lessons in an efficient, effective manner, but teaches them about computers as well.

SchoolMate runs under 3Com network software on affordable TandyLink network hardware. The system will also run with 3Com's EtherLink network hardware. This hardware versatility will allow schools to start with stand-alone systems, and move on to SchoolMate on a high-capacity 3Com network.

SchoolMate Applications

SchoolMate is a specially designed network using the DeskMate User Interface and complemented by new educational management applications. With ROSTER, a list of student names for each class is maintained. LESSON SCHEDULER provides a simple interface by which the teacher may assign any installed application or set of applications to students. GRADE BOOK tracks homework, quizzes, exams and project grades in a spreadsheet-like format, automatically calculating weighted or non-weighted averages for grade periods, semesters and terms. And EXAM MAKER creates tests using multiple choice, true/false, matching, fill-in-the-blank and essay questions.

For the students, personalized desktops provide access to teacher-scheduled instructional applications and DeskMate applications such as word processing, spreadsheet, database and communications.



SchoolMate creates a well-balanced system which addresses some of the unique needs of educators and students. By automating "busy work," SchoolMate leaves more time for the business at hand—teaching and learning. 25-1241 . . . 999.95

TandyLink Board. 26-5601 119.95

Plus TandyLink Board. For Tandy 1000 EX/HX.

26-5602 119.95

6-Foot TandyLink Cable. 26-5610 9.95

50-Foot TandyLink Cable. 26-5611 24.95

EtherLink Network Interface. 26-5501 445.00

EtherLink Plus High-Performance Network Interface.

26-5502 895.00

EtherLink/MC Board. 90-1670 595.00

20-Foot Thin EtherNet Cable. 26-5530 15.95

50-Foot Thin EtherNet Cable. 26-5531 24.95

100-Foot Thin EtherNet Cable. 26-5532 39.95

Bulk Thin EtherNet Cable. 26-5533 21¢ Per Foot

Terminator Kit. 26-5534 29.95

System Requirements. SchoolMate requires a Tandy 3000/4000/5000 server with at least 640K RAM or a Tandy 1000 TX/TL with 768K RAM, MS-DOS 3.2 or greater, a 20 MB hard disk drive and a TandyLink or EtherLink Network Card.

Tandy 1000-series Station Requirements. At least 640K RAM and a TandyLink or EtherLink Network Card.

Network 4 Classroom Computer Systems

- Link Multiple Tandy 1000, Model III/4 Computers
- Run Existing MS-DOS and Standard TRSDOS 1.3 Applications Software

Network 4. Incorporates some of the most advanced networking technology available to make shared computer learning possible for large groups. Using a twisted-pair cable, the Network 4 connects an entire classroom of upgraded Model III, Model 4 and Tandy 1000 computers to a master computer with a hard disk drive or drives. The student stations can then share the hard disk, each station operating virtually as a stand-alone system. Each user can quickly access programs, data files and storage areas on the hard disk as designated by the teacher. Student stations have full print capabilities at their own local printers. For remote printing, a SPOOL utility directs print output to a file. Spool files can be printed on the printer connected to the master station or other dedicated station.

Network 4 Operating Software. 26-2773 230.00

Network 4 Operating Software for Tandy 1000 Stations. Requires Network 4 Operating System 26-2773.

26-2772 299.00

PLUS Network 4 Interface. 25-1019 299.95

Model III/4 Network 4 Upgrade Kit. Requires installation (not included). 26-1136 299.95

100-Foot Trunk Cable*.

26-1218 16.95

500-Foot Trunk Cable*.

26-1214 69.95

1000-Foot Trunk Cable*.

26-1215 119.95

System Requirements. Network 4 requires a Model 4 host (Model 4 plus Upgrade Kit); a Model 4-compatible hard disk (20-meg 25-1041 plus Model 4 Controller 26-1138); Network 4 Operating System 26-2773; and a trunk cable. A disk-equipped Model III or 4 is needed to initialize the network hard disk. An Active Junction Box is required to connect more than 32 stations to the trunk cable, or to extend the trunk cable beyond 1000 feet.

Tandy 1000 Station Requirements. At least 256K RAM and the Network 4 Interface Board. Tandy 1000 station software 26-2772 is required for each network, in addition to the Network 4 Operating System.

Model III/4 Station Requirements. At least 48K and the Model III/4 Upgrade Kit. At least one disk-based Model III/4 station is required for installing application software.

MS-DOS EDUCATION SOFTWARE

Special School Editions of Some of the Most Popular
MS-DOS Education Software Are Available Through Radio Shack

Broderbund Software

- Single-User Version Plus Teacher's Guide And Backup Disk
- Includes Lesson Plans, Extension Activities, And Reproducible Worksheets

Fantavision. 90-5592	69.95
The Print Shop. 90-5529	69.95
Science Toolkit. 90-5593	89.95
Science Toolkit Module 1: Speed and Motion. 90-5594	49.95
Type! 90-5532	59.95
Where in Europe is Carmen Sandiego? 90-5581 ..	54.95
Where in the USA is Carmen Sandiego? 90-5531 ..	54.95
Where in the World is Carmen Sandiego? 90-5530	49.95

Davidson & Associates

- Workbook Activities "Build Basic Skills"

Math Blaster Plus! 25-1200	44.95
Math Blaster! 90-3068	44.95
Math Blaster! Workbooks. 4 workbooks, with addition, subtraction, multiplication and division. 90-5547	19.95

Word Attack Plus! 90-1218	44.95
Word Attack! Workbooks. 9 workbooks, with adjectives, nouns and verbs. 90-5548	44.95
Teacher Resource Guide. This comprehensive book makes it easy to integrate Davidson software into your own curriculum. Includes Software Overview Sheet, Ready Reference Charts, Assignment/Record-Keeping Sheets and Activity Sheets. 90-5603	19.95

The Learning Company

- Includes Two Program Disks
- Comprehensive Teacher's Guide Features Student Activity Sheets Plus Detailed Scope and Sequence Charts

Gertrude's Puzzles. 90-5479	59.95
Gertrude's Secrets. 90-5478	59.95
Magic Spells. 90-5476	59.95
Math Rabbit. 90-5477	59.95
Rocky's Boots. 90-5454	69.95
Talking Reader Rabbit. 90-5541	79.95
Writer Rabbit. 90-5475	69.95

Talking Software

Now your Tandy 1000 can talk to your kids and help them learn not only by seeing, but by hearing as well!

Talking Text Writer with Echo 1000. Scholastic combines the best features of a word processor with the "magic" of a speech synthesizer. An Echo 1000 board is used to repeat aloud whatever a child types. 25-1240

First Byte's Talking Software. No additional hardware required.

Computer Mad Libs. 90-3348	19.95
First Letters and Words. 90-3369	34.95
First Shapes. 90-3367	34.95
KidTalk. 90-3365	34.95
MathTalk. 90-3366	34.95
MathTalk Fractions. 90-3377	34.95
SmoothTalker. 90-3368	34.95
Speller Bee. 25-1232	34.95
Talking Reader Rabbit. Using the speech capabilities of the Tandy 1000, Reader Rabbit pronounces each word as students learn to recognize, remember and spell an extensive vocabulary of over 200 three-letter words. 25-1216 ..	44.95
Talking Reader Rabbit—School Edition. 90-5541 ..	79.95
Berta-Max's Read Along Series. Uses an Echo 1000 (90-2163) or Echo PC+ (90-2164) Speech Synthesizer.	
Alphabet Read Along. 90-5317	19.95
Counting Read Along. 90-5318	19.95
Feet Read Along. 90-5319	19.95
Little Mike. 90-5570	19.95
Able & YoYo. 90-5571	19.95
The Tallest Boy. 90-5572	19.95
My House. 90-5573	19.95

CD-ROM Applications

- CD-ROM (Compact Disk, Read-Only Memory)
- Electronic Access to Large Amounts of Information
- Play on Hitachi's CDR-1503S Drive (Page 29) Or on Other CD-ROM Drives

CD-Play. Play standard audio CD's. Includes a RAM-resident mode for background operation. Compatible with most leading software. Hitachi CD-ROM Drive required. 90-5601

CD-Audio File. Create a database of your audio CD's. Select a song or track sequence for each of your CD's, leave out the songs you don't like and play your favorites again and again! Hitachi CD-ROM Drive required. 90-5602

The Bible Library. 9 Bibles and 18 references, including Bible language dictionaries, word studies, commentaries and more. 90-5513

GEOdisc U.S. Atlas. Access and manipulate a vast amount of geographical data about the United States. 90-5506

Grolier's Electronic Encyclopedia. A superior research tool, the updated encyclopedia contains more than 4,000 new and revised articles. 90-5503 (Avail. 10/30/88)

Microsoft Bookshelf. Library of 10 useful reference works and tools for writing. As a memory-resident program, it runs in conjunction with leading word processors. 90-5501

Microsoft Small Business Consultant. Over 200 publications from the Small Business Administration and other government agencies. 90-5504

Microsoft Stat Pack. U.S. government facts and figures on the economy, politics, demographics, manufacturing, industry, trade, agriculture and business. 90-5509

Fantavision, The Print Shop, Science Toolkit, Type!, Where in Europe is Carmen Sandiego?, Where in the USA is Carmen Sandiego? and Where in the World is Carmen Sandiego?/TM Broderbund. Math Blaster Plus!, Math Blaster! and Word Attack Plus!/TM Davidson & Associates. Gertrude's Puzzles, Gertrude's Secrets, Magic Spells, Math Rabbit, Rocky's Boots, Reader Rabbit/TM The Learning Company. Talking Text Writer/TM Scholastic. Computer Mad Libs, First Letters and Words, First Shapes, KidTalk, MathTalk, MathTalk Fractions, SmoothTalker and Speller Bee/TM First Byte. The Bible Library/TM Ellis Enterprises. GEOdisc U.S. Atlas/TM Geovision. Electronic Encyclopedia/TM Grolier. Microsoft Bookshelf/TM Microsoft Corp.

MODEL 4D—DESKMATE® INCLUDED

Ready to Go to
Work for You—
There's Nothing
Extra to Buy

1199⁰⁰

Low As
\$60 Per Month*

- Includes DeskMate® Software for Word Processing, Filing, Spreadsheet Analysis, Communications, Calendar/Alarm And Electronic Mail
- Two Built-In Double-Sided Drives For 736K of Storage
- 64K Internal Memory—Expandable To 128K
- Large Selection of Ready-to-Run Programs Available



Model 4D with DeskMate. The economical desktop computer for busy managers, professionals and educators. The Model 4D is a stylish, self-contained desktop unit with a 12" built-in 80 x 24 display. A parallel printer interface is included, as well as an RS-232C serial interface. The Model 4D runs most TRSDOS® and LDOS software designed for the Model 4 and 4P, as well as for Model III/I (in the Model III mode). UL listed.

26-1070 1199.00

SPECIFICATIONS. Microprocessor: 4MHz Z-80A (2 MHz in Model III mode). Memory: 14K ROM, 64K RAM expandable to 128K (provides for disk drive emulation in RAM). Keyboard: 71-key typewriter-style with datapad, plus control, caps and 3 programmable function keys (F1, F2, F3). Video Display: 80 x 24 (Model 4 mode), 64 x 16 (Model III mode), or double-width 40 or 32 characters per line. Upper and lower case and reverse video (Model 4 mode). 96 text, 64 graphics and 96 "special" characters. Language: Microsoft 5.0 BASIC. Sound: Obtainable from BASIC. Toggled "keyclick". Disk Drives: Two built-in double-sided 368K 5 1/4" drives. External Connections: Cassette operation at 500/1500 bps. Parallel printer port. RS-232C serial port. Buffered input/output bus. Dimensions: 12 1/2 x 18 7/8 x 21 1/2". Power: 120VAC, 60Hz. Certification: FCC Class A.

Model 4D Performance Upgrades

TRSDOS 6.2 Utilities. 26-315 39.95
Replacement TRSDOS 6.2. 26-316 39.95
TRSDOS 6.2 Upgrade to LS-DOS 6.3. 70-2297 39.95
64K RAM Kit. Expands 64K to 128K. Extra memory not accessible by BASIC. 26-1122 69.95*
High-Resolution Graphics. 640 x 240 resolution. Use to create business graphs, tables, charts and animation. 26-1126 .. 219.95*

Model III/4 Hardware Upgrades

Model 4 Internal Disk Drive 0. Includes a 184K, 5 1/4" single-sided, double-density disk drive with TRSDOS 6 operating system, Disk BASIC and manual. 26-1127 399.95*
Model III/4 Internal Disk Drive 1. 26-1163 149.95*
Model 4 Upgrade Kit. Converts Model III desk computer to a Model 4 disk system (except for cabinet). Includes new keyboard, 64K RAM, TRSDOS 6 diskette with Disk BASIC. 26-1123 199.95*
Model III/4 RS-232C Serial Communications Board and Cable. Requires modem and software. 26-1148 89.95*
Model III/4/4D Hard Disk Cable Kit. Allows you to add a 10 or 15-Megabyte Hard Disk. Includes TRSDOS 6.2 and manual. Requires 48K 1-Disk Model III or 64K 1-Disk Model 4. 26-1134 79.95
Model 4/4D Hard Disk Controller. Requires 26-1134 Cable Kit. 26-1138 449.95

Popular Applications Software

New Low Price! DeskMate Model 4. Six popular applications including word processing, spreadsheet analysis, filing, telecommunications and electronic mail all on one disk. Was \$199.95 in RSC-19. 26-1608 99.95
Multiplan. Popular "second-generation" spreadsheet. 26-1530 199.00

SCRIPSIT®. Advanced-featured word processing. 26-1563 .. 99.95
SuperSCRIPSIT®. Powerful word processor. allows programmable user keys, many print options and more. 26-1595 199.00
SCRIPSIT PRO. Advanced view modes, chaining, boilerplating, access to DOS commands and a dictionary. 26-1601 249.95
Profile 4 Plus. Turns your Model 4 into a sophisticated, well-organized filer. 26-1635 249.95
Custom Font System. Create or edit fonts to enhance the appearance of your printed material. 26-2232 24.95
Tandy Remote Inventory Control. Requires Tandy 102 or 200, RS-232 cable and 26-1545. 26-1535 49.95
Tandy W-2 Writer. Works with Payroll (26-1543) for printing W-2s. 26-1539 49.95
Tandy General Ledger. Makes small business accounting procedures efficient, simple and quick. 26-1540 199.95
Tandy Accounts Receivable. Saves time and money by processing sales and receipts electronically. 26-1541 199.95
Tandy Accounts Payable. Provides rapid and accurate monitoring of purchases and expenses. 26-1542 199.95
Tandy Payroll. Complete payroll system for small business. 26-1543 199.95
Tandy Invoice Writer. Rapid and accurate method of creating invoices. Requires 26-1541. 26-1544 49.95
Tandy Inventory Control. Prints ten major reports, plus custom reports. 26-1545 199.95
RM/COBOL. A GSA certified error-free implementation of the ANSI X3/23 74 COBOL standard. 26-2190 199.00
Remote Disk. Use to store files on disk and retrieve stored files from disk by connecting the Model 102 to a disk-based computer system. 26-3839 59.95

Attention Model I/III Owners

We still carry a selection of hardware upgrades and software for your computers. Visit your Radio Shack Computer Center or Department for details.

DELUXE TANDY LASER PRINTER



For Typeset-Quality Documents

2599⁰⁰

Lease For Only \$95 Per Month*

- 1.5 MB Memory for 300 x 300 Dots-Per-Inch Print Quality
- Complete—No Special Controller Board Required
- Includes Popular Soft Fonts

LP 1000. Laser-sharp clarity rivals professional typeset quality! Features portrait and landscape modes, 10/12/16.7 characters per inch text and 300 x 300 dpi on a full 8 1/2 x 11" page. Quietly prints up to six pages per minute. Includes HP fonts from cartridges "B" and "F". Accepts additional optional downloadable fonts. Tandy®, IBM® and HP LaserJet Plus®-compatible. UL listed. Includes Kit A and toner. Centronics parallel interface.

26-2804 2599.00

Kit A. Drum/cleaner/maintenance kit.

26-2805 199.95

Kit B. Cleaner/maintenance kit.

26-2806 99.95

Toner. 26-2807 27.95

SPECIFICATIONS: Print Speed: 6 pages per minute. Resolution: 300 x 300 dots per inch. Printable area max. 8" wide, 13 1/2" long. Paper Size: Letter, legal, half-letter, A4, A5, B5, 4 to 8 1/2" wide and 8 5/16 to 14" long. Paper tray holds 150 sheets 20# bond max. Duty Cycle: 3000 sheets per month. Interfaces: Video, Centronics parallel. Dimensions: 8 5/16 x 16 1/16 x 16 1/2". Weight: 37.5 lbs. Power: 120VAC, 60 Hz. UL listed AC.

Discover How Tandy Desktop Publishing Can Improve Your Business or Personal Printed Communications



Design, Edit and Produce High-Quality Printed Material

What Can Desktop Publishing Do? By incorporating the laser printer, personal computers and easy-to-use software, desktop publishing makes available publishing capabilities previously handled either manually or by expensive dedicated systems. Users of products like the powerful PageMaker software are now able to design, edit and produce high-quality printed newsletters, brochures, manuals, forms, letterheads, business cards, banners and signs much more easily and inexpensively.

Learn More About Desktop Publishing Software. For more details, refer to the desktop publishing software in this catalog and in the Express Order Software Buyer's Guide (see page 51). You'll find products that range from inexpensive packages that produce simple banners and signs, to sophisticated desktop publishers that can generate camera-ready art for brochures, newsletters or business cards.

HIGH-SPEED BUSINESS PRINTERS

**Print Customized
Type Styles for
Letters, Memos
and Reports**

1599⁰⁰

Lease for
Only \$60
Per Month*

- Fully IBM PC Compatible
- Prints Up to 240 cps
- Optional Four Color Printing
- Built-In "Zero" Tear Tractor

DMP 2120. An ideal high-speed dot-matrix printer for demanding business applications. Use the Font Editing Packages (sold separately) to load different type styles for print quality that rivals a daisy wheel printer! Includes data processing, word processing and graphics modes. Front panel selection of fonts, character sets and type styles. Prints up to 240 characters per second. Precision 24-wire print head. Includes built-in "push-type" tractor so a single form or fanfold sheet can be detached without waste. Optional four-color ribbon available. Centronics parallel interface only. UL listed.

26-2811 1599.00

SPECIFICATIONS: NLQ Mode—up to 80 cps @ 10 cpi. Draft Mode—up to 240 cps @ 10 cpi. **Print Density:** 10, 12 and 16.7 cpi, plus proportionally spaced and elongated. **Character Set:** 96 ASCII, 31 international and 31 graphics characters. **Horizontal Dot Resolution:** 360 dots/inch, 4896 dots/line. **Vertical Spacing:** 12, 6, 8 lines per inch. **Line Feed:** 1/6, 1/8, 1/12, 1/120". **Dimensions:** 7 3/4 x 22 1/2 x 15 3/8 x. **Weight:** 42 lbs. **Power:** 120VAC, 60 Hz.



**Our Powerful
300 cps, 132-Column
Dot Matrix for
Business Use**

699⁰⁰

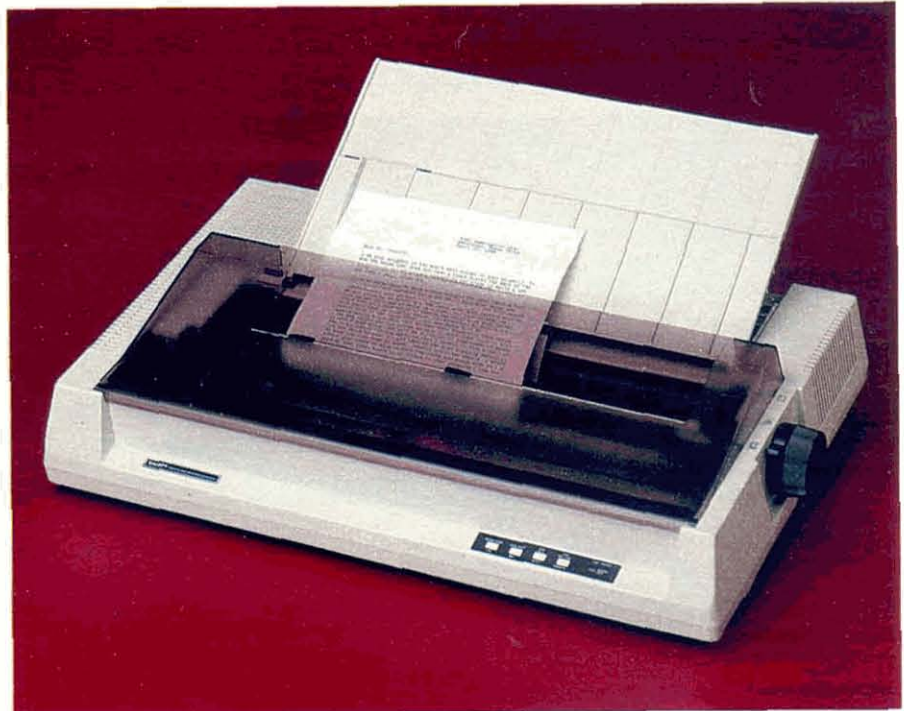
Low As
\$35 Per Month*

- Fully IBM PC Compatible
- Prints Up to 300 cps
- Selectable Triple-Mode Printer

DMP 440. Superior speed and quality at a cost-effective price for many office printing needs. Download fonts with optional-extra font package. Prints 10, 12 or 16.7 cpi, plus elongated, elite, condensed and super/subscripts. 9-wire print head. Produces bit-image graphics. Prints original, plus two copies. Automatic single-sheet positioning. Built-in adjustable tractor. Parallel and Color Computer-compatible serial interfaces. UL listed.

26-2808 699.00

SPECIFICATIONS: **Print Speed:** NLQ Mode—up to 50 cps @ 10 cpi. Draft Mode—up to 300 cps @ 10 cpi. **Print Density:** 10, 12 and 16.7 cpi, plus elongated, elite and condensed. **Character Set:** 96 ASCII, 64 special, and 30 block graphics characters. **Horizontal Dot Resolution:** 816-3264 dots per line. **Vertical Spacing:** 12, 6, 8 lines per inch. **Line Feed:** 1/6, 1/8, 1/12, 1/72". **Dimensions:** 5 3/8 x 23 3/8 x 14 3/4". **Weight:** 17 5/8 lbs. **Power:** 120VAC, 60 Hz.



New! Font Download Utility. Fonts "B" and "F" with download utility for HP emulation in LP 1000.

25-1305 195.00

Custom Font System for Model 4.

26-2232 24.95

Custom Font System for Model II/12/16/6000.

26-4840 24.95

Custom Font System for PC Compatibles/2000.

25-1158 24.95

AFFORDABLE TANDY PRINTERS

Triple-Mode Dot Matrix "Personal Printer"

NEW
FOR

89 379⁹⁵

Low As
\$19 Per Month*

- IBM® PC Compatible
- Prints Up to 120 Characters Per Second
- Built-In Tractor—Prints on Fanfold Paper or Single Sheets

DMP 132. Features word processing, data processing and dot-addressable graphics modes. Prints in four character styles: Standard or italic cursive in draft or correspondence modes. Supports super/subscripts, double-width, bold, double-strike and microfonts. Bi-directional, logic-seeking print head (uni-directional in correspondence and graphics modes). Prints original, plus two copies on 4" to 10" fanfold paper or single sheets. Built-in tractor. Parallel and Color Computer-compatible serial interfaces. U.L. listed.

26-2814 379.95

SPECIFICATIONS: Print Speed: NLQ Mode—up to 25 cps @ 10 cpi. Draft Mode—up to 120 cps @ 10 cpi. Print Modes: 10, 12, 17 cpi plus sub/superscripts, microfont, italic script, Double width, bold, and bit image. Emulations: Tandy and IBM® Graphics Printer. Horizontal Dot Image: 480-1920 dots per line. Vertical Spacing: 1/6, 1/8, 1/12, 1/72". Dimensions: 4 3/4 x 15 3/8 x 10 1/2". Weight: 10 3/4 lbs. Power: 120VAC, 60 Hz, 80W.

Budget-Priced High-Performer

219⁹⁵

Low As
\$15 Per Month*

- IBM PC Compatible ■ Bi-Directional
- Produces Bit-Image Graphics
- Prints 80 Characters Per Second
- Removable Adjustable Tractor

DMP 106. Another price/performance standout from Radio Shack! Ideal for data processing and general-purpose use. Bi-directional—prints 80 upper and lower case characters per line (8 x 9 matrix) at 43 lines per minute at 10 characters per inch. Elongated and condensed modes. Prints up to 80 characters per second. Removable adjustable tractor uses 4" to 9 1/2" fanfold paper, friction platen for single sheets. Prints original, plus one copy. Parallel and Color Computer-compatible serial interfaces. U.L. listed.

26-2802 219.95

SPECIFICATIONS. Print Speed: Draft Mode—up to 80 cps at 10 cpi. Print Modes: 10, 12, 16.7 cpi, plus sub/superscript, elongated and bold. Emulations: Tandy and IBM® Graphics Printer. Vertical Spacing: 1/6, 1/8, 1/12, 1/72". Dimensions: 3 x 15 1/4 x 9 3/8". Weight: 9 lbs. Power: 120VAC, 60 Hz, 30W.

LETTER-QUALITY DAISY WHEEL

For Professional Results

459⁹⁵

Low As
\$23 Per Month*

- IBM® PC Compatible ■ Prints 200 Words Per Minute
- Produces Sharp, Clear Correspondence For All Your Personal/Professional Writing Needs
- Includes Courier 10 Print Wheel and Ribbon

DWP 230. Select 10 or 12 characters per inch, or proportional pitch. Uses interchangeable 96-character print wheels. Prints at 20 cps. Includes forward and reverse paper feed and 1/2-line feed, underline and programmable backspace. Self-test facility lets you see if printer is operating properly before starting. Automatic impact control prolongs the life of the print wheel. Parallel and Color Computer-compatible serial interfaces. Includes Courier 10 print wheel and carbon ribbon. U.L. listed. 26-2812 459.95



SPECIFICATIONS. Print Speed: 20 cps. Print Modes: 10, 12, 15, and Proportional. Emulation: Tandy and IBM® Wheelprinter. Vertical Spacing: 1/8, 1/6, 1/2". Print Wheel: Diablo® 630 Compatible. Dimensions: 6 5/8 x 24 3/8 x 13 3/8". Weight: 26 lbs. Power: 120VAC, 60 Hz, 45 Watts.

Tractor for DWP 230 Printer

99⁹⁵

Low As
\$15 Per Month*

Add a tractor for non-stop printing. Ideal for mailing labels and fanfold paper. Pulls paper through printer for even, consistent printing. Aligns fanfold paper and mailing labels to keep them in place during printing to eliminate uneven lines and jams. 26-2813 99.95



Replacement Printer Ribbons

Printer	Ribbon	Cat. No.	Each
LP I, II, IV	Fabric Pack (3/PK)	26-1413	15.95
LP III, V	Fabric Cart.	26-1414	11.95
LP VI/VIII, DMP 400/420	Fabric Cart.	26-1418	11.95
LP VII, DMP 100	Re-inking Fabric	26-1424	8.95
DMP 110	Re-inking Fabric	26-1283	7.95
DMP 130/130A/132	Cartridge	26-1236	10.95
DMP 130/130A/132	Refill (3/PK)	26-1238	12.95
DMP 500	Fabric Cart.	26-1482	13.95
DMP 120, 200	Fabric Cart.	26-1483	15.95
DMP 120, 200, 500, 430	Refill Pack (3/PK)	26-1489	15.95
DMP 105, 106	Fabric Cart.	26-1288	7.95
DMP 430	Fabric Cart.	26-1296	15.95
DMP 440	Fabric Cart.	26-2809	34.95
DMP 2100, 2100P, 2110	Fabric Cart.	26-1442	13.95
DMP 2120	Black Ribbon	26-2834	39.95
DMP 2120	Color Ribbon	26-2835	79.95
DMP 2120	Black Refill	26-2836	17.95
DMP 2120	Color Refill	26-2837	37.95
DMP 2200	Cartridge	26-1233	39.95
DMP 2200	Refill	26-1234	14.95
LMP 2150	Cartridge	26-1287	12.95
TRP 100	Thermal Film	26-1297	3.95
TRP 100	Refill Rolls (5/PK)	26-1298	9.95
DW II, DWP 410, 510	Multi-Strike (3/PK)	26-1419	21.00
DW II, DWP 410, 510	Nylon Cart.	26-1449	10.95
DWP 520, 230, 210	Multi-Strike (3/PK)	26-1445	17.95
DWP 520,230,210	Fabric Cart.	26-1458	8.95
DWP 220	Multi-Strike	26-1299	17.95
DWP 510, 410, DW II	Blue M/S	26-1285	6.95
DWP 510, 410, DW II	Brown M/S	26-1286	6.95
PC-1	Fabric Cart.	26-3507	2.75

Computer/Printer Selector

99⁹⁵

Low As
\$15 Per Month*

- For Use With Any Standard Parallel Printer
- Automatically Select Printer or Computer
- IBM PC Compatible



Printer Selector 2 Interface. Stop plugging and unplugging printer cables! Now you can easily connect two printers to one computer or two computers to one printer, then automatically switch between them with our Printer Selector 2 Interface. Compatible with any standard parallel printer. Cables not included. UL listed. 26-2820 99.95

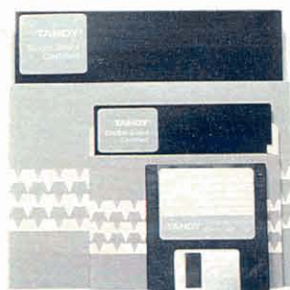
Order Daisy Print Wheels and Plotter Pens Through Our Consumer Mail Program

Printwheels, (whether a replacement or different typestyle), plotter pens and ink cartridges are available by special order through our exclusive Consumer Mail service for all Tandy and Radio Shack daisy wheel printers and plotters. Printwheels are available for the DWP 210, 220, 230, 410, IIB, 510 and 520. Pens for the FP215, the Multi-Pen plotter (both for paper and transparencies), and for the PC695 are available in a variety of colors. If not in stock at the Radio Shack Computer Center or participating Radio Shack store or dealer near you, the item will be shipped to your local store for you to pick up in a few days. No extra charge for this service.

*REVOLVING CREDIT AVAILABLE—See Page 3.

Prices Apply at Participating Radio Shack Computer Centers and Participating Radio Shack Stores and Dealers.

SYSTEM SUPPLIES/ACCESSORIES



**Unformatted,
Soft Sektored**
Certified Error-Free

Certified Error-Free Diskettes in 3 1/2", 5 1/4" and 8" Formats

High-Density Double-Sided

Size	Tracks	Qty.	Cat. No.	Price
3 1/2"	80	3	26-423	34.95
	(1.44 MB)	10	26-424	89.95
5 1/4"	80	3	26-421	13.95
	(1.2 MB)	10	26-422	34.95

Single-Sided

Size	Tracks	Qty.	Cat. No.	Price
8"	77 (608KB)	10	26-4906	34.95

Double-Sided

Size	Tracks	Qty.	Cat. No.	Price
3 1/2"	80	3	26-417	16.95
	(720KB)	10	26-418	42.95
5 1/4"	40	3	26-411	5.49
	(360KB)	10	26-412	12.95
8"	80	3	26-409	8.49
	(720KB)	10	26-410	19.95
8"	77 (1.2MB)	10	26-4960	39.95

5 1/4" Replacement Labels. 26-307 Pkg. 54/1.95

Diskette Club



Whether you use 3 1/2", 5 1/4" or 8" media, stop by and pick up your free Diskette Discount Card. The Card enables you to save 40% off the regular purchase price of any 3-pack of diskettes each month for a whole year!

Diskette Storage Boxes



Low As **12.95**
Dust-Free Protection

For 3 1/2" Disks. Holds 30. 26-1381 12.95
For 5 1/4" Disks. Holds 50. 26-1362 14.95

Disks not included

(1) **New Economy Boxes**

(1) 3 1/2" Holds 10. 26-273 1.19
5 1/4" Holds 10. 26-274 1.19

(2) 3 1/2" Holds 5. 26-1380 2/2.95
5 1/4" Holds 10. 26-1452 4.95
5 1/4" Holds 5. 26-1348 2.95

(2) **Deluxe Boxes**

Disks not included

1/4" Data Tape Cartridges

Store Data Efficiently



System	Length	Type	Cap.	Cat. No.	Each
TCS-100	450'	DC300XL/P	48MB	26-1391	34.95
TCS-2000	205'	DC2000	40MB	26-218	32.95
SCSI Int.	600'	DC600XTD	150MB	26-204	44.95



Disk Drive Clean Kits
Low As **1.99**

For Single or Double-Sided
3 1/2". 15 cleanings. 26-253 7.95
5 1/4". 15 cleanings. 26-408 7.95
8". 15 cleanings. 26-4957 8.95
Disposable Kits
3 1/2". 2 cleanings. 26-271 2.99
5 1/4". 2 cleanings. 26-239 1.99

Disk File Envelopes



Disks not included
Protect two 5 1/4" disks in each handy 3-ring binder envelope. Pkg. of 10. 26-510 7.95

5 1/4" Drive Analyzers



For Tandy 1000 5 1/4" Drives. 26-1370 29.95
For Tandy 3000/4000 5 1/4" Drives. 26-217 29.95



Bernoulli Cartridges
For Use With Our Disk Cartridge Systems

Size	Capacity	Cat. No.	Each
5 1/4"	20MB	26-221	99.95
8"	10MB	26-1372	99.95
8"	20MB	26-220	119.95

Bernoulli Cleaning Kits

For 5 1/4" DCS. 26-1382 79.95
Refill for 26-1382. 26-1390 39.95



Depend on Radio Shack for All of Your Computer Paper Needs

Customized Business Forms and Stationery

Radio Shack provides a complete selection of custom-designed business forms, stationery, envelopes and labels that are guaranteed compatible with our computer systems. Place your order at your nearest Radio Shack Computer Center or Department today.

Color Fanfold Paper



Letter Size

Color Pack. 100 ea. blue, red, gold. 24-lb. 26-206 16.95
Pastel Pack. 100 ea. blue, pink, ivory. 20-lb. 26-207 16.95

Fanfold Labels

Width	Carrier	Qty.	Cat. No.	Each
1	4 1/4"	1000	26-1328	5.95
1	4 1/4"	5000	26-261	19.95
2	9 1/2"	2000	26-262	15.95
3	9 1/2"	3000	26-263	15.95

Fanfold Printer Paper

■ Bright White and Greenbar

All items are high-quality, 1-part bond, not ground wood or recycled paper. Letter-size sheets (9 1/2 x 11") have "invisible" detachable, perforated margins. 20# bond sheets now use special superwhite, letter-quality paper. Choose from full carton, half-carton, or minipak. And you can feed paper directly into the printer from the carton.



Size	Design	Sheets	Weight	Brightness	Cat. No.	Each
9 1/2 x 11"	Blank	500	16# Hibulk	80	26-1423	9.95
9 1/2 x 11"	Blank	1250	16# Hibulk	80	26-276	24.95
9 1/2 x 11"	Blank	500	20#	88 Superwhite	26-1387	11.95
9 1/2 x 11"	Blank	1250	20#	88 Superwhite	26-1427	29.95
9 1/2 x 11"	Blank	2500	20#	88 Superwhite	26-277	54.95
9 1/2 x 11"	Greenbar	3500	16# Hibulk	80	26-1403	59.95
14 7/8 x 11"	Greenbar	1500	15#	80	26-278	39.95

Hanging Binders

2.99



14 7/8 x 11" Printout Binder. For printout storage. 26-211 2.99
9 1/2 x 11" Printout Binder. 26-212 2.99

Copier Paper & Toner

For EPC-150 Copier:
Letter-Size Paper. 300 sheets. 88-2041 18.95
Legal-Size Paper. 300 sheets. 88-2042 19.95
Toner A "Starter". 88-2043 24.95
Toner B "Replenisher". 88-2044, 32.95
For PPC-200 Copier:
Dry Toner. 2 bottles. 88-2051 34.95

Printer Roll Paper

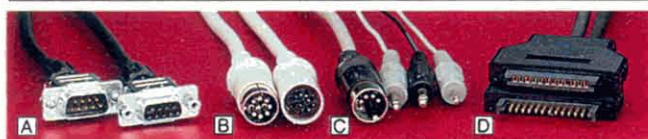
Printers	Cat. No.	Each
CGP 115	26-1428	3/5.95
CGP 220	26-1333	3/9.95
TP 10	26-1332	2/4.95
PT 210/TRP 100	76-1003	6/29.95
PC 1	26-3506	6/1.99
PC 2	26-3606	6/2.95
PC 3/8	26-3592	5/2.49
PC 4/5/6	65-711	5/1.99
Quick Printer	26-1405	3/24.95
Quick Printer II	26-1412	2/6.95
LP I/II/IV/VII/200	26-1402	2/19.95
Plotter/Printer	26-1407	5.95

COMPUTER/PRINTER CABLES



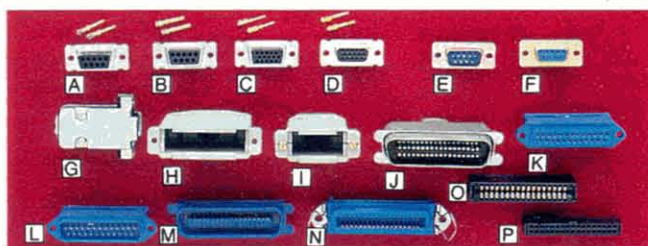
Printer Cables

Fig.	Fits	Length	Description	Cat. No.	Each
A	All Tandy 1000	6'	34-pin card edge/36-pin plug, shielded	26-225	34.95
		12'	34-pin card edge/36-pin plug, shielded	26-222	39.95
B	All Tandy 3000/4000/5000/1400LT	6'	DB25 male/36-pin plug, shielded	26-227	34.95
		12'	DB25 male/36-pin plug, shielded	26-223	39.95
C	M-I/III/4/4P/4D	6'	34-pin card edge/36-pin plug, ribbon	26-1401	29.95
D	M-II/12/16/16B/2000/6000	6'	34-pin header/36-pin plug, ribbon	26-4401	29.95
		12'	34-pin header/36-pin plug, ribbon	26-1323	34.95
E	Color Computer/MC-10	6'	4-pin DIN/4-pin DIN, special serial	26-3020	5.95
F	M-100/Tandy 102 200/600	6'	26-pin header/36-pin plug, ribbon	26-1409	14.95



Special Purpose Cables

A	Monitor Extension. 6' shielded. 26-257	14.95
B	Tandy 1000 Keyboard Extension. 5' shielded. 26-1389	14.95
C	Cassette Recorder. 5-pin DIN to audio. 26-1207	5.95
D	Pocket Computer 5/6 Interface. 26-3671	16.95



Do-It-Yourself Connectors

Fig.	Description	Cat. No.	Each
A	New! 9-Pin Male	276-1427	.99
B	New! 9-Pin Female	276-1428	1.19
	New! 25-Pin Male	276-1429	2.49
	New! 25-Pin Female	276-1430	2.99
C	New! 15-Pin High-Density Male	276-1418	4.49
D	New! 15-Pin High-Density Female	276-1419	4.99
E	New! 9-Pin Male	276-1537	1.49
F	New! 9-Pin Female	276-1538	2.49
	New! 25-Pin Male	276-1547	1.99
	New! 25-Pin Female	276-1548	2.99
G	New! 9-Position Metalized Hood	276-1513	1.49
	25-Position Metalized Hood	276-1536	1.99
	25-Position Multipurpose Hood	276-1520	1.79
H	25 Standard Hood	276-1549	1.29
I	9 and High-Density 25 Standard Hood	276-1539	1.19
J	36 Position Printer Connection	276-1534	4.99
K	D-Sub 25 Female	276-1565	3.99
L	D-Sub 25 Male	276-1559	3.99
M	36-Position IDC Male	276-1533	4.99
N	36-Position IDC Female	276-1523	4.99
O	34-Position Card-Edge	376-1564	2.99
P	36-Position Header	276-1525	2.49



Serial Cables and Connectors

Fig.	Description	Connectors	Cat. No.	Each
A	6' round shielded	DB25 male/DB25 male	26-249	17.95
B	6' round shielded	DB25 male/DB25 female	26-240	17.95
C	6' round shielded	DB25 male/DB9 female	26-269	17.95
D	10' round	DB25 male/DB25 male	26-1490	24.95
	25' round	DB25 male/DB25 male	26-1491	29.95
	50' round	DB25 male/DB25 male	26-1492	44.95
	100' round	DB25 male/DB25 male	26-1493	69.95
E	Null Modem Adaptor	DB25 male/DB25 female	26-1496	7.95
F	Null Modem Adaptor	DB9 male/DB9 female	26-264	6.95
G	Gender Changer	DB25 male/DB25 male	26-243	7.95
H	Gender Changer	DB25 female/DB25 female	26-1495	7.95
I	Gender Changer	DB9 female/DB9 female	26-266	6.95
J	Port Adaptor	DB25 male/DB9 male	26-1388	7.95
K	Port Adaptor	DB25 female/DB9 female	26-265	7.95
L	Color Computer, 6'	4-pin DIN male/4-pin DIN male, special serial	26-3020	5.95
M	Tandy 102 modem, twin 4' direct connect	8-pin DIN (Heshman-type) male/modular phone RJ11C	26-1410	19.95



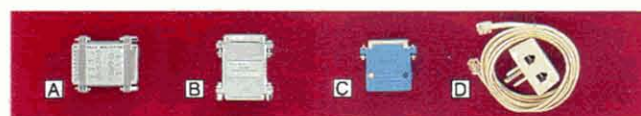
Safety Cord Covers

A	Flexible Cord Cover. 6' AC cord not included. 26-1379	13.95
B	2-Outlet Extension Cord. 6' 26-238	24.95
C	Power/Phone Outlet. 6' 26-272	44.95



Wire/Cable Extras

A	4" Wire Ties. 278-1632	Pkg. of 30/1.59
B	5" Wire Ties. 278-1631	Pkg. of 30/1.99
C	8" Wire Ties. 278-1642	Pkg. of 30/2.99
D	AC Cord Ties. 278-1646	Pkg. of 6/4.95
E	RG62 Cable Bushing. 278-1643	Pkg. of 2/4.95
F	Spiral Wrap. 5' 278-1638	1.79
G	Cable Tie/Wire Marker. 278-1648	Pkg. of 10/2.49
H	Universal Cable Clips. 278-1639	Pkg. of 10/2.19
I	Wire Tie Mounts. 278-441	Pkg. of 10/1.29



Protectors/Testers

A	RS-232 Minimeter. 276-1401	14.95
B	RS-232 Surge Protector. 276-1402	16.95
C	Modular-to-RS-232 Adapter. 276-1405	2.99
D	Telephone Line Spike Protector. 43-102	12.95



Cable and Cords

A	Computer Power Cord. 6' 278-1257	3.99
B	25-Cond. RS-232 Cable. (Ribbon) 5' 278-772	3.59
	36-Cond. Parallel Printer Cable. 6' 278-774	4.69

COMPUTER SYSTEM FURNITURE

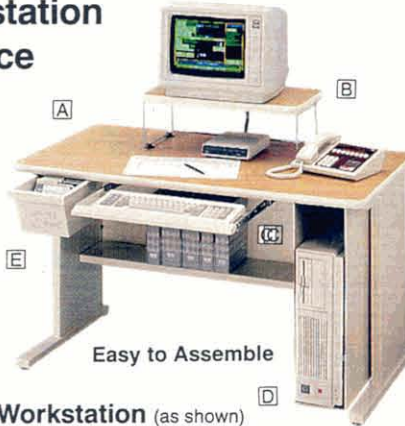
Complete Computer Workstation for Your Home or Office



529⁰⁰

Low As \$27
Per Month*
Reg. Separate
Items 579.70

**Deluxe
System
Furniture**



Easy to Assemble

Complete Workstation (as shown)

A Deluxe System Desk. Features a shelf for supplies and adjustable glides. 28 x 48 x 29". 26-228 199.95

B Monitor Platform. Holds monitor for easy viewing. 26-233 59.95

C Keyboard Drawer. Conveniently "hides" your keyboard. 26-230 59.95

D CPU Tower. Installs under computer desktop. 26-229 69.95

E Diskette Drawer. Keeps your diskettes handy. 6 x 7 x 9". 26-231 .. 39.95

F Printer Stand. Holds printer. Allows easy paper flow. 26-232 149.95

New Low Price! Casters. Set of four. Was \$19.95 in RSC-17. 26-1319 9.95

Modular System Furniture for Home or Office



Complete Workstation
(as shown)

399⁰⁰

Low As
\$23 Per Month*

Reg. Separate Items 449.75

A System Desk. 27 x 49 3/4 x 29 3/8". 26-1356 .. 119.95

B 3-Drawer Module. 24 1/4 x 16 3/4 x 19 1/4". 26-1397 .. 129.95

C Storage Hutch. 26-1359 59.95

D Corner Section. 26-1358 39.95

E Printer Stand. 27 x 28 1/2 x 19 1/2". 26-1357 ... 99.95

Simulated Oak Finish

Computer/Printer Stands



49⁹⁵
Each

Easy
to
Assemble

Compact Computer Stand. Raised platform and storage shelf. 26 x 32 x 19 3/4". 26-1354 49.95

Compact Printer Stand. Accommodates wide-bed printers. 26 x 26 7/8 x 19 3/4". 26-1355 49.95

Workcenter Furniture Combo



59⁹⁵

Our Most-
Affordable
Full-Size
Workcenter

Easy to Assemble

Printer Stand. Companion to Workcenter Desk (26-1350, right). Holds large 132-column printers. Adjustable 26 3/4 x 18 1/2 x 21 1/2". 26-242 59.95



99⁹⁵

Low As \$15 Per Month*

Simulated Oak Finish

Computer Workcenter. Full-width monitor shelf (41 1/2 x 14 3/4"), space for computer and printer, plus work space. 34 x 43 x 23 3/4". 26-1350 99.95

Computer Table



79⁹⁵

Easy to Assemble

Computer Table. Set up your system anywhere! Holds Tandy 1000 HX, Model 4D or Color Computer. 27 x 48 x 24". 26-1324 79.95



**Universal
Computer
Floor
Stand**
29⁹⁵

Holds CPU in
Vertical Position

Opens to 7 1/2" wide. Easy assembly. 26-201 29.95
Monitor Extension Cable. Shielded. 6-ft. 26-257 14.95
Keyboard Extension Cable. Shielded. 5-ft. 26-1389 14.95

CPU Security System

24⁹⁵

■ Low-Cost
Theft
Deterrent

■ Easy to Install



Mounting plates attach to desk and side of computer with special adhesive. No holes to drill. Includes combination lock. 26-1376 .. 24.95

Printer Supports



**Ideal for
Home Systems** **16⁹⁵**

Elevates your printer so fan-fold paper can be placed underneath to save desk space. For 80-column printers. Easy to assemble. 26-1367 16.95

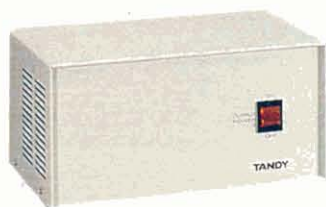
Acoustic Cover



NEW FOR 89 69⁹⁵

Reduces printer noise, protects from dust. Fits all Tandy and most other 80-column printers. Interior: 6 x 19 x 16". Easy to assemble. 26-235 69.95

COMPUTER SYSTEM ACCESSORIES



Standby Power System for Office & Home

349⁹⁵

Guards Against Data Loss

Low As \$18 Per Month*

BPS 250. Be prepared in case of a brownout or electrical failure. Provides reserve power to allow safe system shut-down. Supports up to 250 watts for 7 minutes. Three outlets. UL listed. 26-250 349.95

Power Switching System

99⁹⁵

Low As \$15 Per Month*

Provides 3-Way Spike Protection and Filtration



Turn five individual accessories on and off from the front panel. Features status lamps and six outlets (five are switch controlled). Rated 15A. Includes circuit breaker and 10-ft. line cord. UL listed. 26-203 99.95

Twin-Outlet Protector

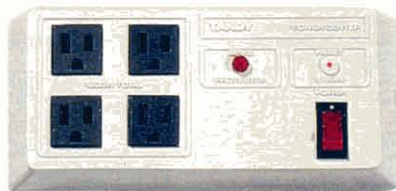
18⁹⁵

- Our Lowest Priced Power Protector—A "Must" for Any Home System
- Protects Computer and Peripheral From Harmful Spikes and Line Noise



Provides common and differential mode transient protection. Rated 10A. With push-to-reset circuit breaker. UL listed. 26-1395 18.95

Computer Power Center

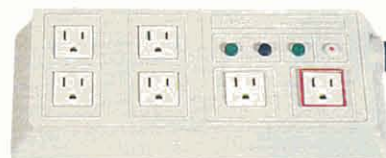


NEW FOR **89**

39⁹⁵

Four outlets, up to 1800 watts, 3-way spike protection, 1-way filtration. With 15-amp push-to-reset circuit breaker. 6-ft. line cord. UL listed. 26-1365 (Avail. 10/30/88) 39.95

Auto Power Controller



69⁹⁵

Convenient Auto Power Switch

Provides full common and differential mode transient protection with MOV status lamp (50 joules per mode, 25 nanoseconds, 340-volt clamping at 100 amps). 6-ft. power cord. UL listed. 26-1396 69.95

Monitor Accessories

Monitor Platform



NEW FOR **89**

19⁹⁵

Ideal for Tandy 1000 HX or Color Computer 3. Easy to assemble. 26-1329 ... 19.95

Monitor Storage Pedestal



NEW FOR **89**

49⁹⁵

Tilts and swivels for optimum viewing angle. Provides 9 1/4 x 11 1/4" storage area underneath. Made of high-impact styrene. 26-267 49.95

Equipment Maintenance

Dust Covers

Equipment	Cat. No.	Each
Universal CPU w/Monitor	26-541	9.95
Tandy 1000 HX	26-543	4.95
Color Computer 3	26-532	4.95
Universal Color Monitor	26-548	4.95
Tandy 1000 Disk Drives	26-544	3.95
Color Computer Disk Drives	26-542	3.95
DMP 106	26-530	4.95
DMP 132	26-536	4.95
DMP 2120	26-546	4.95
DMP 2200	26-539	4.95
DWP 220/230	26-537	4.95
DWP 440	26-547	4.95

Keyboard Cover



NEW FOR **89**

7⁹⁵

Fits the Tandy 1000 SL/TL, 3000 NL, 4000 LX enhanced keyboards and IBM® 101 Enhanced Keyboard (not for 25-4038). Protects from harmful dust and spills. 17 5/8 x 6 1/4". Sculptured "smoke" styrene. 26-1336 7.95

Monitor Pedestal



Adjusts for Better Viewing

16⁹⁵

Universal Monitor Pedestal. Holds all Tandy monitors and many others. Base measures: 11 x 10 1/4". 26-1369 16.95

Anti-Glare Screen



Cuts Glare and Reflection

24⁹⁵

For Tandy color monitors (CM-1, 2, 4, 5, 10, 11 and EGM-1). Specially woven diagonal nylon mesh. Easy to install. 26-202 24.95

Platen Cleaning Kit



NEW FOR **89**

6⁹⁵

Ideal for computer printers. Reduces paper misfeeds. Contains two brushes and 1-oz. bottle of fluid. 26-205 6.95

Refill for Printwheel Cleaning Kit (26-1320). Includes replacement cleaning pad and fluid. 26-1322 2.95

Flowchart Template

NEW FOR **89**

2⁴⁹



Plastic template helps you create easy-to-read flow charts. 26-254 2.49

5⁹⁵ Anti-Static Spray

Safely reduce static buildup in carpet and equipment. 16 oz. bottle. 26-515 5.95

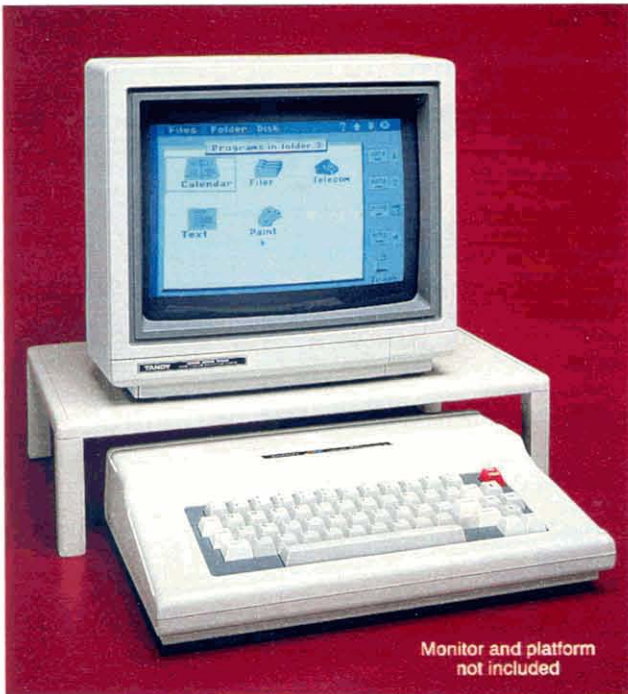
VERSATILE COLOR COMPUTER 3™

Ideal for the Whole Family

199⁹⁵

Low As \$15 Per Month*

- Produces Sharp, Crisp Graphs and Illustrations
- Displays 32 × 16 Text Using a TV, 40 × 24 or 80 × 24 With a Monitor



Monitor and platform not included

SPECIFICATIONS. Microprocessor: 68B09E 8/16-bit. Clock Speed: 0.894 MHz or 1.788 MHz. Input/Output: 1500-baud cassette (recorder optional). Two joystick ports. RS-232C serial port (4-pin only). Standard TV (300 ohms). Composite Monitor, and RGB Analog Monitor. Dimensions: 3 × 10³/₈ × 14³/₄". Power: 120VAC, 60 Hz. Certification: FCC Class B.

128K Extended BASIC Color Computer 3. Ideal for graphics, programming, budgets, word processing, database management, spreadsheet analysis and many other applications. The Color Computer 3 comes with 128K memory (expandable to 512K), and gives you the advantage of greater programming and data-processing power, as well as higher-resolution graphics. Simply connect the Color Computer 3 to a high-resolution monitor—like the CM-8 (sold separately, below)—and you can create incredibly detailed charts, graphs and engineering drawings in vivid colors. Compatible with most software and accessories designed for the Color Computer 2. UL listed AC. 26-3334 199.95

Monitor Platform. 26-1329 19.95



CM-8 RGB Analog Color Monitor. ① 80 × 24 text, 640 × 192 graphics. 13" diagonal screen. Built-in speaker with volume control. Includes cable. UL listed AC. 26-3215 299.95

FD-502 Color Thinline Disk #0. Turn any Color Computer with Extended BASIC into a disk system. Write your own disk applications or add ready-to-run software. Plugs into the Program Pak port or Multi-Pak Interface. UL listed AC. 26-3133 299.95

Color Computer Upgrade Kits and Enhancement Options

DC Modem Program Pak



89⁹⁵

RS-232 Interface and 300-bps Modem

Transfer/receive ASCII files or access information services by phone. 26-2228 89.95

Deluxe Joystick



29⁹⁵

Get accurate cursor control and quicker response. Select "spring-centering" or "free-floating". 26-3012 29.95

Joysticks



19⁹⁵
Pair

Our lowest priced joysticks. Now two players can experience the fun. Fast 360° movement! Single-shot button. 26-3008 Pair/19.95

High-Res Joystick Interface



9⁹⁵

Lets you address higher-resolution graphics modes (up to 640 × 640). 26-3028 9.95

Deluxe Color Mouse



49⁹⁵

Simply "roll" across tabletop to position the cursor. Two buttons for Tandy 1000-compatible software. 26-3125 . . 49.95

Hard Disk Interface



Utilize Primary Drives

129⁹⁵

Requires 64K, Multi-Pak Interface, floppy disk with controller and OS-9 (2.0 or later). 26-3145 129.95

Kits and Upgrades

16K RAM Upgrade Kit. ② 26-3015 29.95*

Low-Profile Keyboard Kit. ② 26-3016 24.95*

64K RAM Upgrade Kit. ② Converts a 4K, 16K or 32K Color Computer. 26-3017 59.95*

Second Drive for FD-502. Requires installation (not included). 26-3135 179.95

512 RAM Kit. ① 26-3335 . . . 149.95

Operating Systems

OS-9 Disk Operating System. 26-3030 69.95

OS-9 Level Two. ① Supports 512K RAM and dual speed. 26-3031 . . 79.95

OS-9 Development System. ① Complete editor and assembler with full-screen editing. Requires OS-9 Level Two. 26-3032 99.95

Multi-Vue. ① User-friendly graphics interface for Level Two programs. 26-3035 49.95

Save \$40 on an FD-502 Disk Drive and a Level One or Two OS-9 Operating System

FD-502 and OS-9 Level One. Reg. Separate Items \$369.90.

26-3133/26-3030 329.90

FD-502 and OS-9 Level Two. Reg. Separate Items \$379.90

26-3133/26-3031 339.90

Items Shown Are For Use With the Color Computer 2 or 3, except as indicated: ① Color Computer 3 only. ② Color Computer 2 only. *Installation Required (Not Included). Some Installations May Require Additional-Cost Hardware. OS-9/TM Microware and Motorola.

HANDY POCKET COMPUTERS



PC-6 Pocket Scientific Computer

119⁹⁵

Low As
\$15 Per Month*

- 8K Memory
- 65 Preprogrammed Scientific Functions

Pocket Scientific Computer PC-6. An ideal tool for engineers and students, the PC-6 combines the best features of a powerful scientific calculator and a pocket computer. Performs up to 65 scientific calculations—or write your own programs in BASIC or assembly language. Retains programs and data even when power is off. A built-in Note and Address File keeps important telephone numbers or engineering data and formulas handy. Features an easy-to-read, 24-character LCD. Uses PC-4 Cassette Interface and Printer with PC-5/6 Cable (all sold separately). 8K RAM. Folds up to only $\frac{3}{4} \times 2\frac{3}{4} \times 5\frac{5}{8}$ ". Includes battery. 26-3672 119.95

8K RAM Module. For 16K total memory. 26-3674 ... 19.95

PC-4/5/6 Printer. Requires 26-3671. 26-3652 99.95

Thermal Printer Paper. $1\frac{1}{2} \times 8\frac{1}{2}$ ". 65-711 .. Pkg. of 5/1.99

PC-5/6 Cable. 26-3671 16.95

Cassette Interface. Requires 26-3671. 26-3651 39.95

Replacement Lithium Battery. Requires 2.
23-162 Each 1.79



Versatile PC-7 Pocket Computer

69⁹⁵

- 2K Memory
- Programs in BASIC

Pocket Scientific Computer PC-7. Perfect for engineers, students and professionals. With 72 scientific and 17 statistical calculations. Mathematical functions include trigonometric, logarithmic/exponential, absolute value, permutations, standard deviation, linear regression and many others. Features 2K random access memory and 35 commands in BASIC. Keyboard composed of 72 keys. Folds to $\frac{1}{2} \times 3\frac{3}{8} \times 5\frac{1}{2}$ ". 26-3673 69.95

Replacement Lithium Battery. Requires 2.
23-162 Each 1.79

Attention Pocket Computer Owners!

A selection of software for Pocket Computers 1, 2 and 3 is available by special order through our exclusive Consumer Mail service. If the program you want is not in stock at your local Radio Shack Computer Center or participating Radio Shack store or dealer, the item will be sent to your local store for you to pick up within a few days. There is no extra charge for this service.

Computer Cassette Recorder



Reliable Recorder for Data Storage

59⁹⁵

- A "Must" for Our Tape-Based Computers
- Automatic Level Control
- CPU Starts/Stops Recorder Automatically

CCR-81. Ideal for loading and saving your own programs and data on cassette tapes. Battery/Record LED indicator. $10\frac{1}{2} \times 5\frac{3}{4} \times 1\frac{3}{16}$ ". Includes cable. UL listed AC operation or four "C" batteries (not included). 26-1208 59.95

Cassette Tapes

Low As

1⁸⁹
Each

For Data Storage



Deluxe C-20 Cassette Tape. 26-308 3.79

C-20 Tape. 26-301 2.79

C-10 Tape. 26-302 1.89

Cassette Labels. 44-621 Pkg. of 24/99¢

Cleaning Cassette



For Top Performance

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Felt pads and unique wiping action clean head, roller and capstan. With $\frac{1}{2}$ oz. of fluid. 44-1163 3.99

Bulk Tape Eraser



For Cassettes or Diskettes

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Fast, complete erasing in seconds. Not for metal or video tape. UL listed AC. 44-232 17.95

TANDY 102 PORTABLE COMPUTER

Our Popular Portable
Now Comes With
32K Memory Built In

599⁰⁰

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- All-Time Favorite of Journalists and Busy Traveling Executives
- 40-Character x 8-Line Liquid Crystal Display
- Comes Complete With Five Convenient Built-In Management Programs: TEXT, TELECOM, ADDRESS, SCHEDULE and BASIC
- Self-Contained Direct-Connect Telephone Modem
- Full-Size Typewriter-Style Keyboard Makes Typing Easy



Tandy 102. Our lightest portable computer is now even better with 32K of RAM for more dynamic computing power. It only weighs 3 pounds and is 1½ inches high—fits easily in a briefcase. Five instant-on built-in programs let you use the Tandy 102 as a personal word processor, address/phone directory, appointment calendar and telephone auto-dialer. Access other computers or national information services by phone with the built-in modem and communications program. And you can write your own programs in BASIC. The Tandy 102's compact size, built-in programs and expansion options (see below) give it the versatility to be used at your desk, in the field or on the road. Includes parallel, RS-232C, cassette and bar code reader interfaces. Requires four "AA" batteries.
26-3803 599.00

AC Adapter. Lets you use AC electrical power (when available) to save battery power. UL listed. 26-3804 6.95

Specifications

Microprocessor: 8-bit 80C85 CMOS. **Clock Speed:** 2.4 MHz. **Memory:** 32K ROM; 32K RAM. **Keyboard:** Full-size 56-key typewriter-style with embedded 10-key datapad, plus 8 programmable function keys. **Display:** 40 x 8 Liquid Crystal Display, upper and lower case ASCII characters. 240 x 64 dot-matrix graphics. **Modem:** Built-in FCC-registered direct-connect modem with auto-dialer. 300 bps. **Input/Output:** Parallel printer interface. RS-232C serial communications interface. Cassette tape interface. Standard bar-code reader interface. **Dimensions:** 1½ x 11⅞ x 8½". **Weight:** 3 lbs. **Power Supply:** Up to 20 hours on 4 "AA" alkaline batteries or optional UL listed AC power supply. Internal rechargeable nickel-cadmium battery will maintain memory intact for up to 30 days with power off. **Certification:** FCC Class B.

Portable Computer Software

- Multiplan.** Popular ROM spreadsheet for Tandy 102.
26-3829 149.95
- SCRIPSIT® 100.** Advanced word processor for Tandy 102.
26-3830 39.95
- Text Power.** Advanced word processor for Tandy 200.
26-3881 39.95
- Multi-Solutions.** Word processor/calendar/database manager for Tandy 200. 26-3894 79.95
- Assembler/Debugger.** Writes, assembles and debugs machine language on Tandy 102.
26-3823 49.95
- Remote Disk.** Converts disk-based files so files created on Tandy 102 can be used on desktop, and vice versa.
26-3839 59.95
- Bar Code Writer.** Easily converts text files into bar code listings. For Tandy 200. 26-3895 34.95
- Bar Code Drivers.** Adds additional capability to Bar Code Wand software. For Tandy 200. 26-3896 19.95
- Tandy Code Read/Write.** A unique bar-code format used to record Tandy 200 files on paper.
26-3897 24.95

Assembler/Debugger, Multiplan/TM Microsoft Corp. Multi-Solutions/TM DCM Data Products. Remote Disk, Bar Code Drivers, Bar Code Writer, Tandy Code Read/Write/TM PCSC. SCRIPSIT/Reg. TM Tandy Corp.

Portable Computer Accessories



Bar Code Wand

Use for billing, couponing and retail-item control. Includes cassette software for UPC, Plessey and 3 of 9. 26-1183 99.95
Computer not included



Add a Disk Drive!

Portable Disk Drive 2. Store 200K of data on a 3½" floppy. Requires 4 "AA" batteries or AC Adapter (not included).
26-3814 219.95

Handy Upgrades

- Printer Cable.** 26-1409 ... 14.95
- Modem Cable.** 26-1410 ... 19.95
- New Low Price! Carrying Case.** Was \$39.95 in RSC-19.
26-3811 29.95
- New! Tandy 102 Technical Reference Manual.** 90 pages.
26-252 9.95
- 8K RAM Upgrade for 24K Tandy 102.** 26-3817 14.95†
- Tandy 200 24K RAM Upgrade.** 26-3866 199.95†
- "The Tandy 200 Portable Computer"** by Dr. David Lien.
26-3869 19.95

Acoustic Coupler 2



599⁹⁵

Fits Square or Round Handsets

Ideal for use when direct phone connection isn't possible.
26-3818 59.95

Telephone handset not included

RADIO SHACK HAS THE ANSWER TO YOUR BUSINESS TELEPHONE NEEDS



Telephone System 301

Low As **5530** Per Month* 4-Phone System

- Accommodates Up to Eight Stations and Up to Three Outside Lines
- System 301 is User-Installable and Cost-Efficient
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System 301. Over 50 standard features plus options let you customize this user-installable system to fit your specific needs. Visit your nearest Radio Shack Computer/Telephone Center and learn which features are right for you. KSU, 36-2600. Phone, 36-2606.



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Low As **5520** Per Month**

- 4-Phone System
- Computerized Reliability
- High-Tech Styling
- Many Options Allow Easy Expandability

System 501. With 50 standard features plus 10 options, this system can be customized to accommodate your specific telephone system needs. Perfect for new and growing businesses. KSU, 36-2601. Phone, 36-2606.



System 601/1201/2101

- 4-Phone, 3 Outside Line System
 - Accommodates Up to 56 Stations And Up to 21 Outside Lines
 - Many Standard/Optional Features
- Low As **6767** Per Month**

Visit Your Local Radio Shack Computer/Telephone Center to Have a Phone System Designed and Priced to Meet Your Business Needs

Standard Station Telephone. Features a built-in Speakerphone for hands-free two-way conversations. Up to 7 programmable user keys. One-Touch Dialing, Auto-Callback, Last-Number Redial, Call Transfer. 36-2551

Telephone With Busy Lamp Field. Has all the features of our Standard Station Telephone, plus a 16-LED busy lamp field display that shows which stations are busy. 36-2552

Programmable 20-Key Telephone. All the versatility of our Standard Station Telephone plus 17 programmable keys for instant access to any customized feature or special features like Trunk Queuing or Voice Paging. 36-2554

21-Key Telephone With LCD Display. Features convenient multifunction LCD display which shows number dialed, elapsed time of call, current time and date. With 17 programmable keys. 36-2556

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Portable Cellular Phone Puts the Whole World in Your Hand

NEW
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- 1½ Hours Talk Time
- Recharges in One Hour
- Lightweight—Less Than 28 Ounces

Lease for Only \$49.95 Per Month*

Radio Shack CT-301. A full-featured portable cellular that lets you make and take calls anywhere you go! Improved ringer volume for use in noisy locations. Has 832 channels, 600 milliwatt power output. Requires Charging Stand, plus AC Adapter or Mobile Mounting Kit. 17-1050 1499.00

Charging Stand. 17-602 59.95

Mobile Mounting Kit. 17-603 24.95

Extra Rechargeable Battery Pack. 17-604 69.95

Handsfree/Data Interface. 17-601 69.95*

AC Adapter. UL listed. 273-1653 19.95

Charging accessories extra.



Cellular for Car or Carry

NEW
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Low As \$50 Per Month*

- Quickly Converts To Transportable
- 3-Watt Power Output

Radio Shack CT-201. Features new Hi/Low Power Output Switch that cuts battery drain in good cellular service areas, increasing overall operating time. 832 channels. Mobile antenna, portable adapter pack extra. 17-1005 999.00

AC Charger. UL listed. 17-202 19.95

Rechargeable Battery. For use in Portable Adapter Pack. Two required. 23-181 9.95

Handsfree/Data Interface. Full duplex. 17-501 69.95

Data Cable Kit. Use with 17-501 to interface with Tandy Models 100/102/200/600 only. 17-502 19.95*

Extension Handset. 17-402 199.95*

Horn Alert Kit. 17-503 39.95*



Portable Adapter Pack. With flexible antenna, DC adapter/charger with cigarette lighter plug, shoulder strap. Batteries extra. 17-203 ... 119.95



Lowest-Priced Mobile Phone

NEW
FOR **89**

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Mobile antenna extra.

- All Controls Located In Handset
- Make Calls Without Lifting Handset

Radio Shack CT-101. Affordable full-featured cellular phone. 98-number memory, 832 channels and full-duplex hands-free speakerphone. Full 3-watt output. With mounting hardware and bracket. 12VDC neg. gnd. 17-1075 799.00

10-ft. Handset Extension Cable. 17-701 24.95*

Speaker Interface/24-ft. Wiring Harness. 17-702 39.95*

Horn Alert Kit. 17-703 39.95*



Transceiver Mounts Easily Under Dash or Seat

Cellular Mobile Antennas

Magnet Mount. 12-ft. cable, 3 dB gain. 17-302 24.95

No-Hole Trunk Mount. 12-ft. cable, 3 dB gain. 17-303 59.95

Glass-Mount. 15-ft. cable, 3 dB gain. 17-304 49.95

New! High Gain Glass Mount. Improves performance in fringe areas. 15-ft. cable. 5 dB gain. 17-305 64.95

New! Roof Mount. 8-ft. cable, 3 dB gain. 17-306 24.95

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Radio Shack cellular telephones give you an extra edge in business as well as personal communication. And Radio Shack makes it so easy! We handle all start-up paperwork and program your phone right in the store. All of our cellular phones are backed with our One-Year Limited Warranty that's honored nationwide. And should service be required, it's available through any of the 7000 Radio Shack stores and dealers from coast to coast.

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- Send and Receive Crisp, Legible Copies in Just Seconds Per Page
- Maintains and Prints a Record Of All Transaction Data
- Also Makes Copies—Doubles As Your Own Convenient Personal Copier
- Compact Size Utilizes Little Space, Fits Easily On a Desktop or Cabinet
- Programmable Security Password Assures Confidentiality Of Your Polled Transmissions
- Ideal for Small Businesses, as Well as Departments and Branches of Large Businesses

TANDYFAX 1000. Now you can eliminate expensive courier and express charges—the TANDYFAX 1000 facsimile machine will enable you to send and receive crisp, legible copies of your important documents instantly across town or around the world! The TANDYFAX 1000 has the features, speed and performance you need in a business fax machine—at a breakthrough low price! Simply connect the TANDYFAX 1000 to a rotary or tone phone line, and you're ready to send and receive letters, contracts, spreadsheets and other data—even lineart graphics and photos using the halftone setting. Multifunction LCD provides time/date, ID number of corresponding fax unit, operation settings, and phone number dialed.

The TANDYFAX 1000 features SuperFine, Fine, Standard and Halftone Resolution Modes to ensure that the smallest of text and the faintest of photos are reproduced with clarity and sharpness during transmission. A built-in 24-hour timer lets

you schedule operation after hours, when long-distance rates are lowest. Other quality features include 70-station Auto-Dialer, Automatic Document Feeder and "turnaround" polling which lets you send and receive documents on the same call, minimizing long distance charges. There's even a telephone handset so you can talk to the other party without having to make another call. A journal of transaction data is printed out automatically after every 32 transmissions or on demand. And you can also select following each transmission, an individual journal with data such as date, time, number of pages, ID number, etc., to be printed out as proof that a document was sent. Radio Shack has carry-in or on-site service programs available to keep your faxing capability on line. The TANDYFAX 1000 is the money-saving way to send documents anywhere in the world—instantly! Come into Radio Shack and find out how your business can enjoy the benefits of facsimile communications!

43-1200 1299.00

Replacement 8 1/2" x 98' Thermal Paper Roll. Prints black.
43-1250 7.49

Buy Replacement Paper in quantity and save! 6-11 rolls, \$6.97 each. 12-49 rolls, \$6.59 each. 50-500 rolls, \$6.22 each.

TANDYFAX Cleaning Kit. For cleaning and maintaining most brands of facsimile machines. Comes complete with 4-oz. of cleaning fluid plus 20 non-abrasive lint and static-free wipes.
43-1260 9.95

Specifications

Compatibility: CCITT Group 3 (MH,MR)/Group 2, MWS (white line skip).
Resolution: Horizontal: G3 203 LPI, G2 98 LPI; Vertical: G3 391 LPI (SUPER-FINE), 196 LPI (FINE), 98 LPI (STD), G2 98 LPI. **Automatic Document Feeder:** Max. 5 sheets. **Document Size:** Max. 8.7" x 39.4" (with operator assistance), Min. 5.8" x 2.9". **Scanning Width:** G3: 8.19"; G2: 8.07". **Recording Method:** Thermal. **Paper Size:** 8.5" x 98" (paper roll). **Modem Speed:** 9600/7200/4800/2400 bps with automatic fallback. FCC registered. UL listed AC. **Size:** 5 x 12.6 x 11.9" (excluding projections). **Weight:** 13 lbs.

WANT A LARGER SELECTION OF SOFTWARE? WE HAVE IT!

In addition to all of the software packages listed in this catalog, Radio Shack can help you get any other special software packages you might need. Radio Shack customers are able to choose from hundreds of software products offered through the Express Order Software Buyer's Guide. If your needs are more specialized, Radio Shack even offers two other methods for obtaining the software you need, the Radio Shack Educational Products Guide and the MAPP program. And if you're just looking for a more in-depth review of selected packages, turn to our Product Profiles.

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Because the needs of computer users are so diverse, we've instituted a new service that lets you choose from the broad range of software programs now available. Radio Shack now offers Express Order, designed to quickly satisfy the needs of business, data processing departments, students, home users—any PC owner!

Extensive Selection

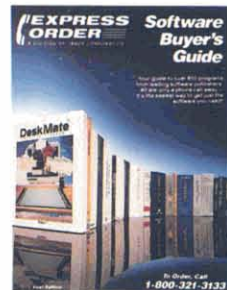
Express Order offers more than 850 programs in its catalog. The programs support the industry-standard operating environments: MS-DOS, XENIX and MS-OS/2. In addition, many titles are available to support the operating environments for the Color Computer and the TRS-DOS family of computers.

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The Express Order Software Buyer's Guide is organized so that finding the software that is just right for your needs is easy. The guide is categorized by operating environment—MS-DOS, XENIX, TRSDOS and Color Computer—and then sub-categorized by software function such as word processing, spreadsheet, database or entertainment. The description for each software product highlights the major features and describes the minimum hardware configuration needed to run the program. You'll find this concise guide most helpful in making your software selection.

New Express Order Software Buyer's Guide

- 84 Pages With Over 850 Programs Listed
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. . . Easy to Order

Once you have made your selections, you'll find that purchasing your software is very convenient. If you need assistance in making your software selection, you can place your order at your local Radio Shack Computer Center, participating store or dealer. Or you can dial our toll-free number, 1-800-321-3133, and charge your software purchase to a major credit card. Express Order honors major credit cards, including American Express, Carte Blanche, Diner's Club, Discover, MasterCard, Visa, and Radio Shack ValuePlus (RSVP).

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Compare the prices, and you'll notice that many of the products in the Express Order Software Buyer's Guide are priced 10, 20, 30% or more below the manufacturer's suggested retail price.

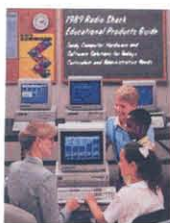
Get More Information

Don't hesitate—find out about the software available to you through Express Order for your operating environment. Choose the software packages that meet your application requirements. Then discover how easy it is to order your choices. Call 1-800-321-3133 or come into your nearest Radio Shack Computer Center today for a free copy of the Express Order Software Buyer's Guide.

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Educational Products Guide

Categorized by
Function and
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The 1989 Radio Shack Educational Products Guide helps educators select the software they need to support and enrich their curricular and administrative objectives. More than 400 products from Radio Shack and noted educational publishers are described in this guide. Our Education Marketing Managers and Education Specialists will assist you with software product selection as well as hardware support options and complete educational programs.

MAPP Program

Our Exclusive
Software
Development
Service



If the software included in this catalog or in the Express Order Software Buyer's Guide does not completely fit your needs, ask your Radio Shack Computer Center representative about the Marketing Assistance Professional Program (MAPP). MAPP's software developers are specialists in your region who have formed a liaison with Radio Shack to develop special-applications software to meet any particular needs that our computer customers encounter.

Tandy Product Profiles

- Your Source Of Software Information
- Available Only In Computer Centers



Tandy Product Profiles provide detailed information about all of the software products available through the Express Order program. An in-depth discussion of the features of each software package is included as well as comparison charts of the selected software packages. Ask your Radio Shack Computer Center representative to review the various software specifications with you.

Tandy Computers: Because there is no better value.™

Quality. Reliable performance is our design objective. Our exceptional quality results in a 33,000-hour mean time between failure.

Compatibility. Our MS-DOS® based computers are the best-selling PC compatibles in America. Tandy business systems run MS® OS/2 as well.

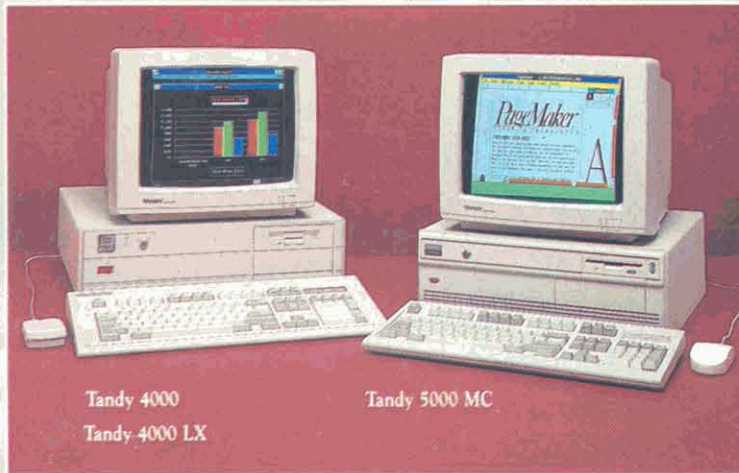
Technology. Innovative design, custom circuitry, a user-friendly software interface and other features distinguish our computers from mere clones. Plus, every Tandy desktop computer is designed and built in our own USA manufacturing plants.

Connectivity. Tandy workgroups provide communications among PCs as well as to mainframe computers.

Longevity. Technology has been our business for sixty-eight years. In 1977, we were first to successfully manufacture and market a personal computer—nobody's been in the business longer.

We're answering America's challenge with high performance, great prices and the best service and support in the industry.

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Tandy 4000

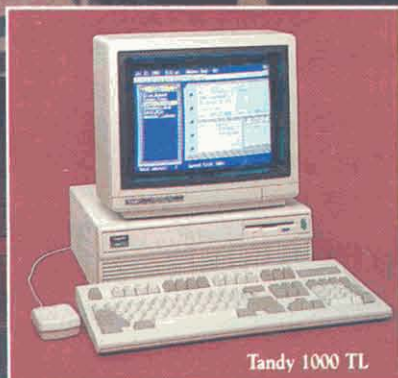
Tandy 4000 LX

Tandy 5000 MC

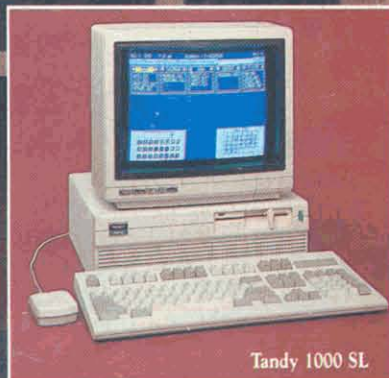


Tandy 3000 NL

Tandy 1400 LT



Tandy 1000 TL



Tandy 1000 SL



Tandy 1000 HX



You can now use the easy-to-learn DeskMate Interface to run an expanding selection of MS-DOS applications.