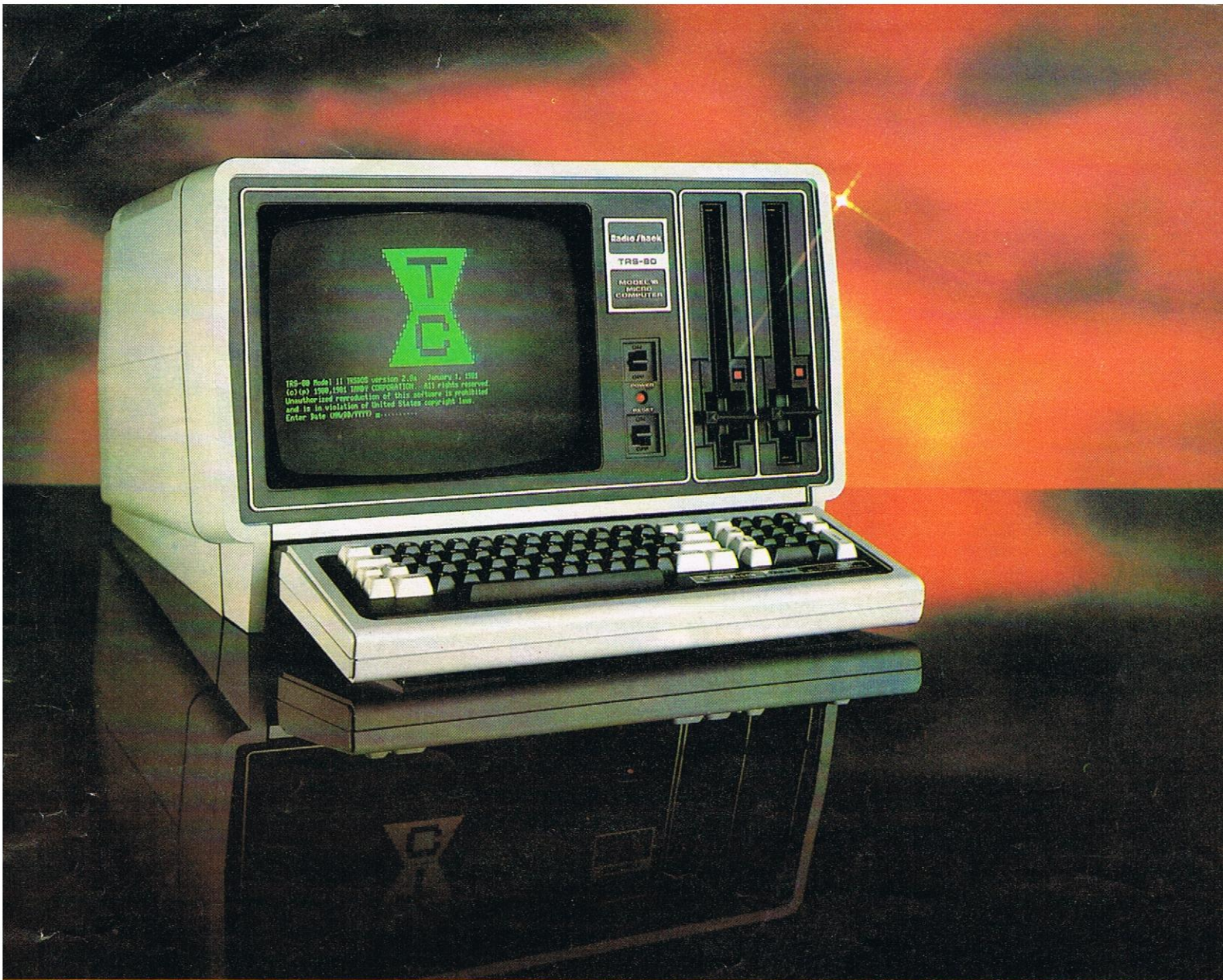


Tandy Introduces The Most Powerful Self-Contained Microcomputer Ever: The New TRS-80® Model 16

The TRS-80 Model 16 puts minicomputer performance in a complete, compact desktop system. Model 16 is capable of 512K internal RAM memory storage and 2½ megabytes of disk memory storage.

Sixteen-Bit Technology. The new TRS-80 Model 16 is designed around a state-of-the-art 32/16-bit microprocessor. Among the many advantages of this design are the ability to accomplish task with greatly increased speed, and the capability to address very large amounts of internal memory, allowing more complex tasks to be accomplished with ease.

Dual-Processor Architecture. In addition to the 32/16-bit main processor, Model-16 incorporates a second processor — the Z-80A. The Z-80A handles input/output and other tasks to maximize 16-bit operations.

Software Compatibility. Dual processor design permits the Model 16 to operate as a Model II and use existing TRS-80 Model II software! This hardware/software compatibility is a rare feature in a new generation of computers. But you get it with Tandy's TRS-80 Model 16.

Advanced Design. It's what hundreds of thousands of TRS-80 users have come to expect from Tandy. In addition to its advanced processor, the TRS-80 Model 16 features all new thin line double-sided, double-density 20 cm disk drives.

Multi-User Capability. Model 16 is so powerful, three people can use it at the same time! Two low-cost terminals can simultaneously utilize the computing power of the TRS-80 Model 16. It's like having three separate computers in one office — at substantially less cost. Multi-user capability is slated for availability early 1983.

16-Bit Power, Deluxe Features, TRS-80 Value!

Advanced Concepts:

- **Dual-Processor Design Features State-of-the-Art MC68000 *and* Z-80A Microprocessors**
- **Multi-User Operating System Allows Execution of Several Programmes Simultaneously**
- **128,000 Characters (128K) of Random Access Memory, Expandable to 512K**
- **One or Two Built-In 1.25 Million Character (Megabyte) 20.32 cm Disk Drives**
- **Expandable to Over 33 Megabytes of Hard Disk Storage**

The Fastest, Most Powerful TRS-80 Computer Ever — From $6699

The TRS-80 Model 16 offers the latest design concepts at an incredible low price. Read why Model 16 is the logical choice for your demanding applications. It's truly a technological breakthrough!

Sixteen-Bit Microprocessor. At the heart of Model 16 is an MC68000 microprocessor — a 16/32 bit central processing unit (CPU) that has a 16-bit "words". This allows the Model 16 to utilize much more memory — and process data at much higher speeds — than systems using the more familiar 8-bit microprocessor.

The Dual Advantage. The Model 16's second microprocessor, a Z-80A, handles input/output functions — relieving the MC68000 of time-consuming "housekeeping chores". As a result, the main CPU's raw processing power is utilized at its full potential.

128K-512K Internal Memory. Model 16 includes a 128K byte Random Access Memory (RAM) board that can accept an additional 128K RAM (#26-6012, $699*) at any time. Another 128K memory board (#26-6011, $899*) may then be added, complete with the provisions to add still another 128K, for a total RAM memory of 512K — over one half million characters of internal memory!

Ready-to-Run Software. The Z-80A is the same 8-bit microprocessor used in our highly respected TRS-80 Model II business computer. This lets the Model 16 function as a Model II — which means you can use all existing Model II software. So a large base of ready-to-run programmes is already compatible with Model 16!

RSCOBOL is available for business and accounting applications. It includes multi-keyed ISAM for quick access of data, DEBUG, Editor, Compiler and a Run-Time package. Many existing and future Tandy application programmes will be available to take advantage of the multitasking feature and operating speed of the Model 16.

Operating System. Model 16's operating system is virtually "Library Command" compatible with the popular TRS-80 Model II. An Editor/Assembler is provided for machine language programme development, and includes Editor, macro-assembler, linking loader, cross-reference and debugger.

Deluxe Features. Model 16 comes with one or two built-in 1.25 million character 20.32 cm disk drives. A high-resolution 30.5 cm green video display with 24 lines of 80 characters each is standard. The detachable typewriter-style keyboard features a numeric keypad and two special-function keys.

Expandable. The Model 16 features two RS-232C serial ports and a parallel printer interface which allow expansion with a wide variety of our peripherals, including printers, plotters, digitizers, telephone modems and more. A hard disk port can be added to use from one to four 8.4 Megabyte hard disk drives. And Model 16 can also be used with our ARCNET local network, available mid-year.

The 1-Disk TRS-80 Model 16 with 128K memory is shown above (#26-6001, $6699). A second disk drive can be added at any time (#26-4167, $1199). The 2-Disk TRS-80 Model 16 is shown at right (#26-6002, $7898).*

*Price does not include required installation charge.

Choose Your TRS-80 Model 16 System

Furniture not included

$9068 Business System

- **TRS-80 Model 16 Desktop Computer System**
- **Built-In 1.25 Megabyte Disk Drive**
- **Daisy Wheel II Printer and Cable for Electric Typewriter Quality Hard Copy**

Same system with Two Disk Drives, $10,267

Furniture not included

Deluxe Hard Disk Workstation — Only $14,767

- **TRS-80 Model 16 Desktop Computer System With Built-In 1.25 Megabyte Disk Drive**
- **8.4 Megabyte Hard Disk System Including Installation**
- **Bi-Directional Line Printer V and Cable**

Furniture shown for either system, $798

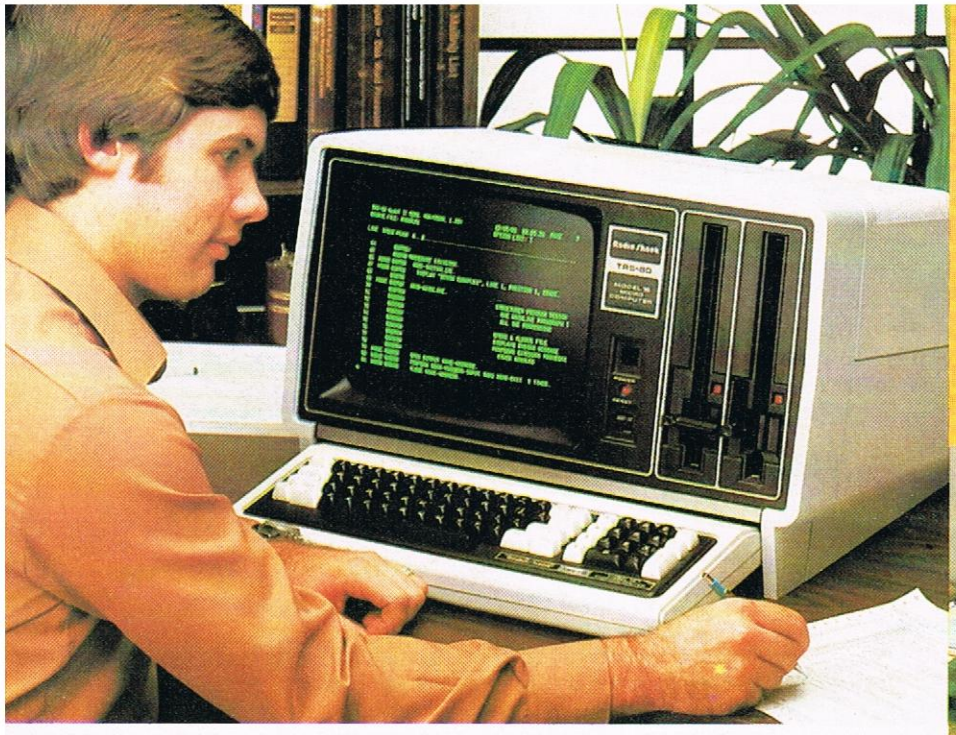
Model 16 Expands to a Multi-User Office System

Tandy's advanced design allows a stand-alone TRS-80 Model 16 to become the hub of a multi-user system. (This capability will be available early 1983.) One or two additional workstations at remote locations can simultaneously operate different programmes on the Model 16 — without any perceived loss of performance. A remote user can be entering inventory figures, while another is accessing a data base management system — all at the same time the Model 16 operator is running a payroll programme!

And We Have the Terminals . . .

To use the TRS-80 Model 16 as a multi-user office system, just add an optional video terminal such as Tandy's new DT-1, only $1,299, at each location (pictured in inset photos above).

A TRS-80 Model II (or another Model 16) can also be used as a remote workstation. This is a highly cost-effective arrangement for office currently using Model II systems.



Tandy Computer Centres Provide Full Support for the New TRS-80 Model 16

Tandy's new top-of-the line Model 16 has another important advantage over every other computer. It's a TRS-80 — the best supported micro-computer line in the world!

Available at Convenient Locations Nationwide

The TRS-80 Model 16 is sold at our 10 Computer Centres Australiawide. It's also available in the expanded computer department of selected Tandy stores and dealers. Trained personnel at each location can explain Model 16's many features and benefits in plain English.

Wide Selection of Accessories

Model 16 interfaces with a variety of TRS-80 peripherals in stock right now. We also have the furniture and forms your business requires. And of course, we have the Model II programme library that lets you put your Model 16 to work the first day — wihout programming!

Leasing and Service Plans

Our staff can discuss the advantages of leasing your new TRS-80 Model 16. See how a leasing plan can help your cash flow.

Service is provided by our company-operated service centres. Model 16 is also available with three contracts to suit your requirements wherever you are.

Complete Training Facilities

TRS-80 Model 16 comes with thorough and easy to understand manuals. In addition, most Tandy Computer Centres have a training centre for comprehensive training programmes. We'll show you and your staff how to get the most from your new Model 16 system.

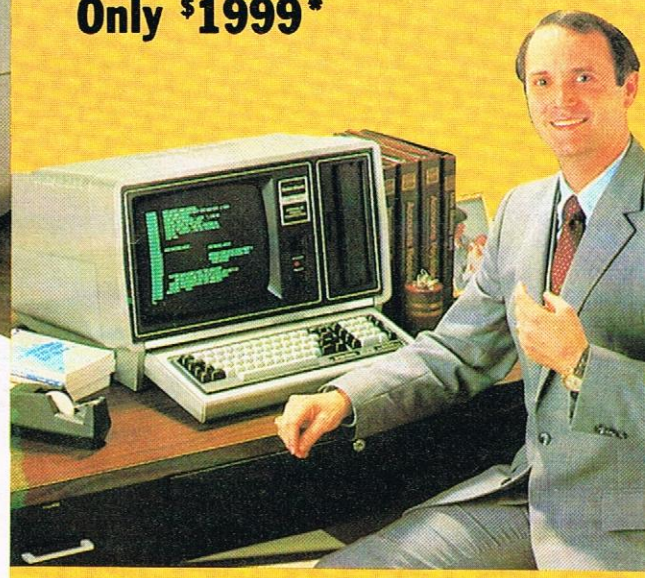
Tandy
ELECTRONICS

The biggest name in little computers™
A DIVISION OF TANDY CORPORATION

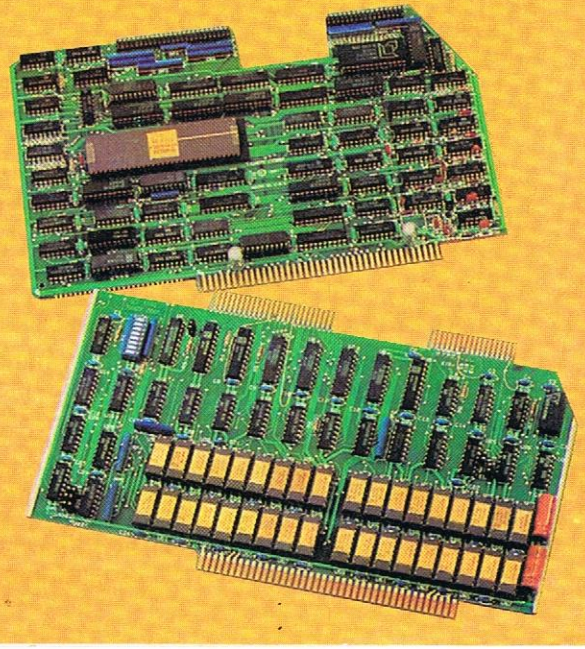
FORM B6

© 1982 Tandy Corporation. Retail prices may vary at individual dealer stores.

TRS-80 Model II Owners: Get 16-Bit Processing Power with Our New TRS-80 Model 16 Enhancement Option! Only $1999*



Equip Your Model II With a Motorola MC68000 Central Processing Unit and 128K RAM

Just bring your Model II to any Tandy Computer Centre or the expanded computer department of selected Tandy stores and dealers. For $1999 (*plus installation, not included), we'll see to it that your Model II becomes a part of the next generation of computers.

The Model 16 Enhancement Option (#26-6010) gives you all of the advantages of a 16-bit CPU with 128,000 characters (expandable to 256K bytes) of internal memory. Your present disk drive will be retained, and you'll still be able to use all of your existing Model II software.