



# Expansion Box

## Expansion Box EG3014

### Expandability

Expandability! The Genie computers are designed with expansion in mind; they can handle up to 48K RAM and 1.4 million characters of disk storage. The EG3014 is the key to this expansion - it contains a parallel printer interface, disk controller, 16K of expansion memory and has RS232, S100 and double density available as options.

### Memory

The EG3014 is supplied with 16K RAM which can easily and cheaply be expanded to 32K by plugging in industry standard 4116 memory IC's. This gives a total system capacity of 48K RAM (the Genie computer contains 16K).

### Disks

Disk drives give fast access to a mass of information and rapid program loading. A fully expanded Genie system can store the contents of 6 average 100 page paperback books on disk.

The EG3014 supports up to 4 minifloppy disk drives - these can be used in double density mode with the EG3021 adaptor to give 184K of storage with each 40 track EG400 drive and over 368K with an 80 track drive.

A cable type DDC (two drives) or EG3018C (four drives) is required to connect the disk units.

### Printer

The EG3014 contains a parallel printer interface to the widely used Centronics standard. This allows the connection of many types of printer, including the Genie System printer - the EG602.

A cable type EG3016C is required to connect the EG602 or any parallel input printer.

### Accessories

The EG3014 is supplied complete with operating manual and connecting cable for the Genie.

<b>Dimensions</b>	255 x 110 x 425
<b>Supply</b>	240V 50Hz 25W
<b>Disk Interface</b>	SA400 compatible
<b>Printer Interface</b>	Centronics Parallel Compatible

The EG3014 is suitable for use with the Genie System, Genie I and Genie II.

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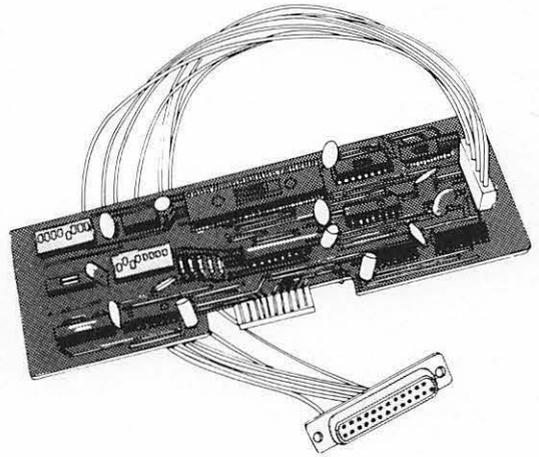
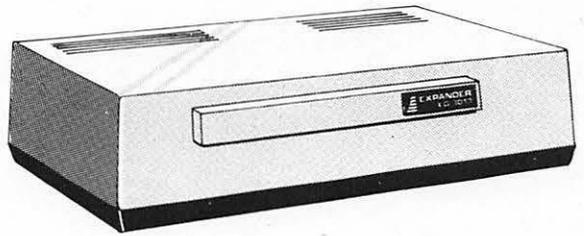
## Expansion Options

### EG3020

The EG3020 serial interface allows the Genie owner to communicate with other computers, use serial printers and telephone modems; in fact to talk to the world.

The EG3020 is a bidirectional RS232 serial interface for the EG3014. It is easily fitted inside the EG3014 case and has switches allowing baud rate selection between 110 and 19200 baud. Word length is selectable between 5 and 8 bits. Parity and stop bit settings are switch selectable.

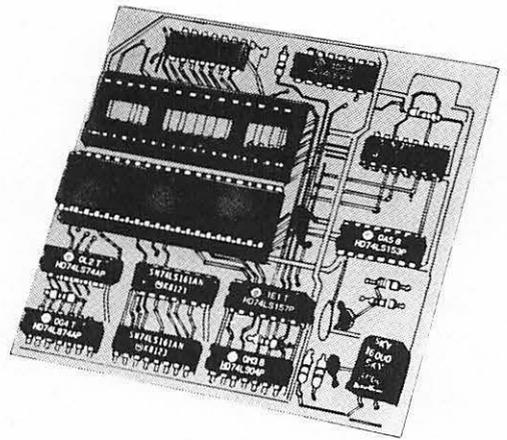
The EG3020 can be switched to directly drive a serial printer from the LPRINT and LLIST commands.



### EG3021

The EG3021 double density adaptor plugs simply into the EG3014 and immediately doubles the storage capacity of disk drives attached to the system without losing single density operation. A single EG400 disk drive gives around 200K of storage in double density mode, and total system capacity is 1.4M bytes.

The EG3021 is easily fitted to the EG3014 expander and may also be used with the EG3003.

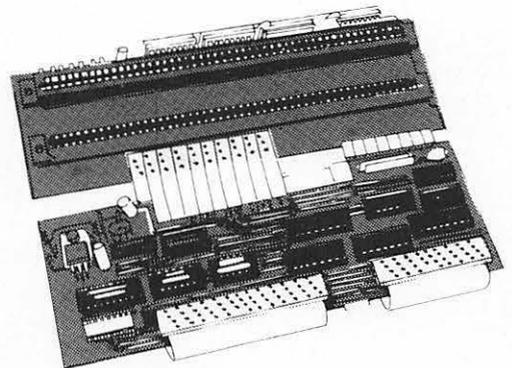


### EG3022

The EG3022 bus adaptor gives full S100 capability to the Genie computers. The EG3022 supports any two S100 card from the huge range available.

Internal Genie memory can be disabled allowing a full 64K S100 system to be created.

The EG3022 fits simply and quickly into the EG3014 - full fitting instructions are supplied.



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