

M-F-B 2

MULTI-FORMAT-BIOS 2 SYSTEM



Gemini MULTI-FORMAT-BIOS 2 SYSTEM

The fact that you're reading this probably means that you are already experiencing one of the major curses of modern micro computing — floppy disk incompatibility.

Fortunately help is at hand. Gemini Microcomputers Ltd are pleased to announce the introduction of the new M-F-B 2 (Multi-Format-BIOS 2 system) — the ultimate disk copier and the virtual end of floppy disk incompatibility.

With its ability to format and transfer data between any of the microcomputer formats currently available within its considerable library, the Gemini M-F-B 2 will be



Just some of the great names supported by the Gemini M-F-B 2 System

system operating not only as a disk copier but as a genuine full-function microcomputer for word-processing, accounting and a host of other activities, as well as being able to operate on a Gemini local area network.

We like to think that the comprehensive ability of the M-F-B 2 to perform a multi-functional role will be a powerful argument to purchase. After all, by using M-F-B 2 the Chairman's Secretary can even transfer the output from her portable to the central wordprocessing department. One thing is clear, the applications for M-F-B 2 are considerable and varied.



The complete Gemini M-F-B 2 System + 8" disk drive as an optional extra

good news for many people.

Just consider, by using M-F-B 2, the head of a large data processing department can now process data from various computer sources within his organisation without laborious machine to machine file transfer via cables. The end result is a highly efficient transfer of data, with computer operators being able to continue to use their preferred machines.

In the same way, the Managing Director of a software house trying to halt the loss of sales due to his company's inability to supply software on the required disk format will find that with M-F-B 2 to help, he can supply the correct format simply and cost effectively, and that his sales will once more start to rise.

And that's not all. The CP/M based M-F-B 2 is a highly versatile and expandable MultiBoard

The Operating System of M-F-B 2

The system will copy files from one CP/M type to another such as CP/M-80, CP/M-86, CP/M-68K, MP/M, MP/M-86 and Turbo DOS.

An MS-DOS suite of software is included with all M-F-B 2 systems enabling formatting and data transfer to and from almost all MS-DOS and PC DOS systems including the entire IBM PC (PC, XT

M-F-B 2

and AT) family, as well as the vast majority of IBM 'lookalikes'.

Also, the software allows M-F-B 2 the capacity to hold up to 700 format combinations.

In order to complement the software, the new M-F-B 2 hardware was configured to provide four disk drives as standard in the one unit.

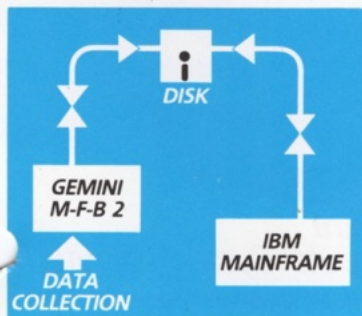
Using small and highly efficient half-height devices, the four drive package consists of a 10MB or 20MB hard disk Winchester option, a 5.25" 96 TPI dual speed 800K/1.2M floppy drive, a 5.25" 48 TPI 400K floppy drive and a 3.5" double-sided, double-density microfloppy drive.



**Disk size incompatibility?
No problem for the Gemini M-F-B 2 System**



**The heart of the 4
drive Gemini M-F-B 2 System**



Optional Gemini M-F-B 2 to IBM Mainframe transfer utility

The combination of the augmented CP/M operating system and the four drives within the M-F-B 2 covers the vast majority of computer drive permutations currently available. As 8" formats are also supported, an 8" disk drive is available as an optional extra.

Whilst the M-F-B 2 system will support most soft-sectored formats currently available, it is important to state that it will not handle formats that depend on

unique hardware features, such as variable speed drives or hard-sectored disks or disk systems using non-standard recording techniques. Paramount amongst these formats would be those employed by Sirius and Apple.

A major advantage of the M-F-B 2 is that the system allows the user to add formats that may not yet be within the existing library. This is easily achieved by a competent M-F-B 2 operator.

The M-F-B 2 system is also extremely easy to operate. To achieve the transfer of data from one source and format to another is simple. It may be transported immediately from disk to disk or stored on the Winchester for future transfer to the disk formats of your choice.

With the purchase of every M-F-B 2 system, we provide a free 12 month format library update service. This is an extremely beneficial service to customers, particularly when one considers the ever-increasing number of different disk formats.

 **Gemini**

M-F-B 2

Technical Specification

GEMINI M-F-B 2

Processors:

Twin Z80, Main Processor — 4 MHz, Video Processor — 6 MHz. (No wait states).

Memory — Z80-1:

64K Dynamic RAM, 2K Phantom ROM.

Memory — Z80-2:

8K Monitor ROM, 8K Screen/Character/Graphics RAM, 2K Workspace RAM.

Keyboard:

64 Character Input Buffer, 87 ASCII Encoded, n Key Rollover, Caps-Lock Function, Edit Key, 90 User Definable Function Keys, Numeric Key Pad.

Video:

80 × 25 or 40 × 25 Display Format, Inverse, Blinking, Half Tone Video,

Half Intensity Background, 256 × 256 Pixel Graphics, Programmable Character Sets, Programmable Special Functions, Line/Circle Draw, Polygon Fill, Software Clock, Foreign Character Sets.

Monitor:

High Resolution 12" Monitor, Green Phosphor.

Serial I/O:

RS232 Interface, Programmable Baud Rates, Cuts Cassette Interface.

Parallel I/O:

Centronics Parallel Interface.

Other I/O:

Light-Pen Input, 1V P-to-P Video Output.

SYSTEMS

GM 925:

10MB Half-height Winchester Disk, 5.25" 96 TPI DS — 800k 1.2 MBytes, 5.25" 48 TPI DS — 400k, 3.5" DSDD.

GM 926:

As above but 20 MByte Winchester Disk.

OPTIONS

GM 415:

1 × 8" DS Drive Unit.

2 × 8" DS Drive Unit.

0.5 MByte "RAM-Disk", (Up to two can be supported).

GM 836 Network/Interface:

RS422 Communication.
250 KBaud Data Transfer Rate.

SOFTWARE:

CP/M 2.2 Operating System and Utilities M-F-B Software.

Additional Services

Some additional services offered through our international dealer network:—

*Magnetic tape drive unit and interface in both hardware and software to provide a completely integrated system for data transfer between 0.5" magnetic tape and most floppy disk formats.

*Additional software to allow the reading and writing of mini and mainframe computer formats.

*Disk analysis services.

*Hopper feeds for bulk copying.

*A full range of Gemini MultiBoard products and peripherals.


The Gemini M-F-B 2 offers a low-cost solution to the problems associated with disk incompatibility. The M-F-B 2 is designed and built in England, guaranteed for a year and maintained and supported by an international network of experienced dealers. The M-F-B 2 is an expandable system that will meet your needs for the foreseeable future. Expansion in the form of network systems, I/O interfaces, and a custom service for individual requirements adds up to a powerful argument for exploring M-F-B 2 in depth.

Please write or telephone for the name and address of your local M-F-B 2 dealer. Also ask for our latest MultiBoard Microsystem Catalogue and Price List.

Your local M-F-B 2 Dealer is:

Gemini Microcomputers reserve the right to amend all specifications without notice.

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