Upgraded CP/M and FDC Board

This system has been supplied with our new GM849 Floppy Disk Controller and SCSI (hard disk controller interface) board.

IMPORTANT: Please note that this board is INCOMPATIBLE with the previous GM809 and GM829 FDC boards. That is, CP/M Operating Systems that you may already have on other Gemini systems, and that are configured for use with the older GM809 or GM829 boards, may not be used in this system.

This system has been supplied with our new CP/M operating system. This has several enhancements over its predecessors, including:

- the ability to add different drive types to the system
  (the user may set the stepping rate, settling time, head-load time, number of heads, number of tracks, drive tpi, etc for each drive)
- the ability to read and write disks of alternative formats
  (including IBM PC and XT, 8 sector, CP/M-86 formats)
- the ability to read, write and initialise PC-DOS disks
  (when used with the optional IBMCOPY program)
- automatic GM833 RAM-DISK detection and initialisation
- the ability for the user to define ALL cursor types
- the ability to disable Edit Mode

In addition, in Winchester hard disk drive based systems:

- support of TWO alternative system tracks
- user definable directory sizes
- user definable Winchester drive sub-division

The enclosed manual, "Gemini CP/M-80, BIOS Verion 3.2", details the use of this CP/M. Please note that the CP/M now has an enhanced patch area, and so the information in this manual now supercedes that in the "Gemini Computer Users' Manual" - i.e. pages 21 to 25 of the "Gemini CP/M-80 .." manual should be used instead of pages 28 to 32 of the "Gemini Computer .." manual.

Similarly, the CONFIG program has been enhanced to utilise these additional features, and so the section on CONFIG in the "Gemini CP/M-80 .." manual (pages 28 to 32) should be used instead of that in the "Gemini Computer .." manual (pages 23 to 25).

If you already have a Gemini system with a previous CP/M BIOS Version then care should be taken not to get the CONFIG programs confused. It should also be noted that the MOVCPM.COM program is no longer required or supplied with the new CP/M release, and you should refer to section 3 of the "Gemini CP/M-80 .." manual should you wish to generate a new CP/M system track.