

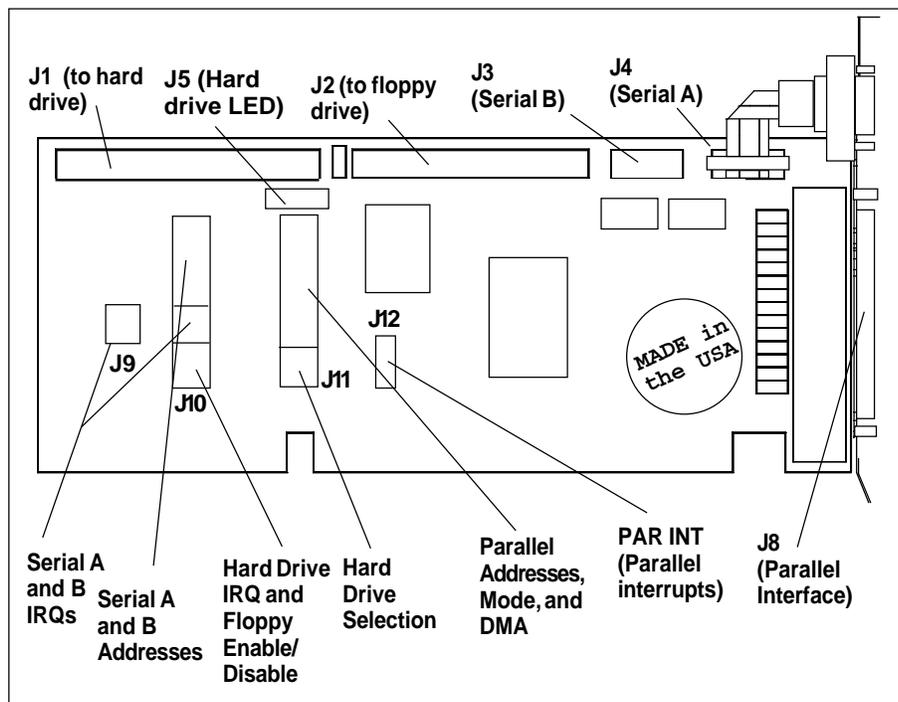
Product Specifications



Product Code: IDEG22

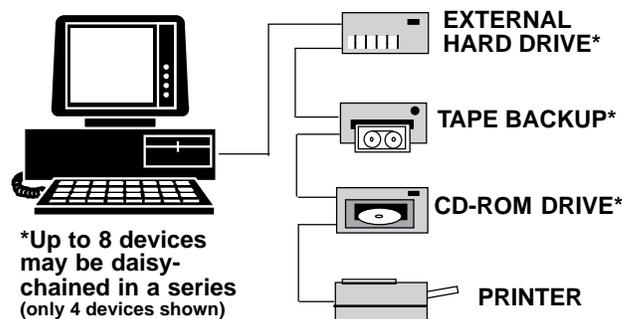
Product Name: High-Performance IDE Plus Controller by Boca

- ◆ Specifically designed to work with ISA and EISA based systems, with 16-bit interface.
 - ◆ Supports two mode 0 or 1 IDE hard drives.
 - ◆ 360K, 720K, 1.2MB, 1.44MB, 2.88MB floppy support.
 - ◆ Two 16C550 UARTs for high throughput.
 - ◆ Parallel interface with EPP (enhanced parallel port), IEEE 1284 support, and ECP (extended capabilities port).
 - ◆ Ability to enable and disable hard and floppy drives, serial and parallel ports.
 - ◆ Full Modem Control.
 - ◆ Supports high-speed devices attached to the parallel port such as hard drives, tape backup systems, CD-ROM drives, and high-performance printers.
- ◆ I/O Addresses:
- Serial A: COM1, COM2, COM3; IRQ3, IRQ4, IRQ5, IRQ7; or disabled
 - Serial B: COM1, COM2, COM4; IRQ3, IRQ4, IRQ5, IRQ7; or disabled
 - Parallel Port: LPT1-2 (378, 278); IRQ5 or IRQ7; or disabled.



IEEE 1284. This settings allows the parallel port to operate in any of the modes described above (STANDARD, EPP, and ECP). NOTE: A DMA channel is used in ECP mode ONLY.

EPP and IEEE 1284 modes allow up to 8 devices to be daisy-chain connected. See figure below:



The Parallel Port mode settings are defined as follows:

DEFAULT (standard). This setting defines the parallel port as a standard unidirectional port for use with a printer.

EPP (enhanced parallel port). This setting defines the parallel port as an 8-bit bidirectional port for use with hard drives, tape backup systems, and other 8-bit bidirectional devices.

ECP (extended capabilities port). This settings defines the parallel port as a high-performance 8-bit bidirectional port for use with hard drives, tape backup systems, high-performance printers, and CD-ROM drives. This mode also uses DMA to increase performance and reduce system overhead.

NOTE: The use of hard disk drives, tape backup systems, CD-ROM drives, etc. will require a device driver which is supplied by vendor of that peripheral device. Refer to the manual which came with that device for information pertaining to installation and use of a device driver.