NEW™

IEEE-488 Interface and Software
For IBM PC/XT/AT

IBM PC   IEEE-488

.1 YEAR WARRANTY   MADE IN USA

OMB-PER488/AT
$495
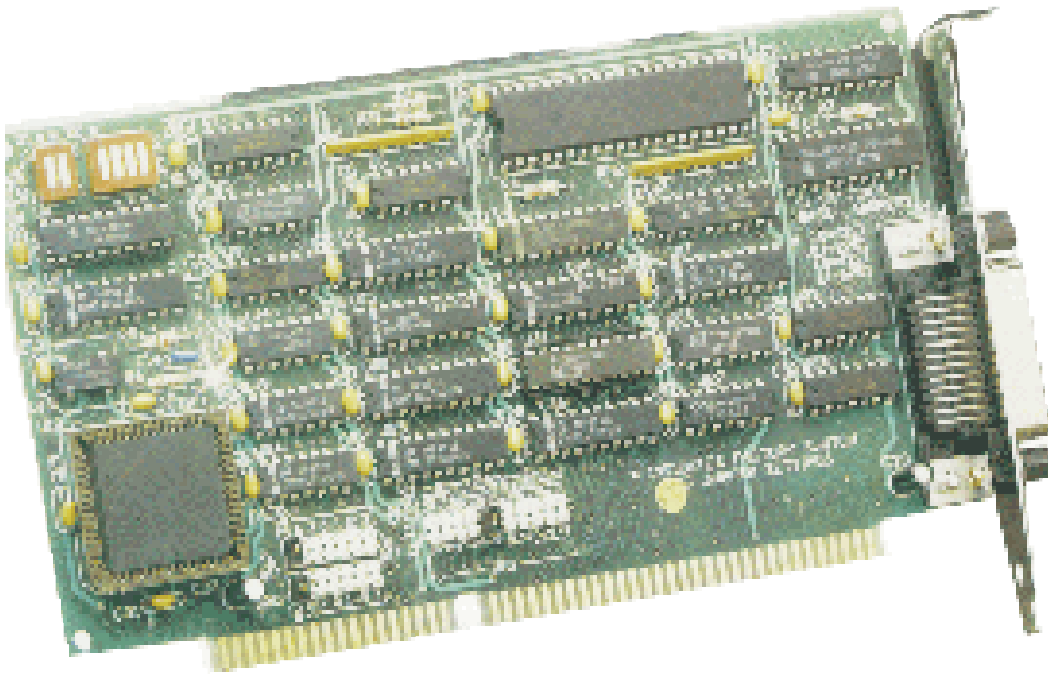
✔ **Adds High-Speed IEEE-488.2 Capability to IBM PC/XT/AT and Compatible Computers**

✔ **1 Mbyte/sec Maximum DMA Data Transfers**

✔ **Easy to Program, with Hewlett-Packard Style Commands**

✔ **Features Subroutine Calls for High Speed Applications**

✔ **11 Interrupt Lines and 7 DMA Channels Available**

✔ **Compatible with Popular Graphics and Analysis Software**

The OMEGA OMB-PER488/AT converts IBM PC/XT/AT and compatible computers into high-performance IEEE-488.2 compliant controllers. The board reads data at up to the 1 Mbyte/sec maximum specified by the IEEE-488 bus. This high-speed throughput is achieved with special circuitry that combines two 8-bit IEEE data bytes into a single 16-bit word for DMA transfer on the 16-bit AT bus.

The half-size board may be used in an 8-bit slot of an IBM PC type computer or 16-bit slot of an IBM AT type computer, with maximum data rates achieved in the AT computer. IEEE 488.2 defines common data codes, formats, message protocols and commands to simplify the integration of system software. The OMB-PER488/AT offers complete IEEE 488.2 compliance while retaining IEEE 488.1 compatibility. Thus the OMB-PER488/AT is compatible with thousands of existing IEEE-488 instruments and fully supports the growing number of IEEE 488.2 instruments being introduced.

Included with the OMB-PER488/AT is a powerful easy-to-use device driver which greatly facilitates programming. The driver is language independent and may be used with most common DOS and Windows languages.

Specifications

IEEE Controller Device: NEC µPD 7210

Maximum Transfer Rates: 1 Mbyte/sec read, 800 kbytes/sec write

Dimensions: Occupies one PC-compatible (ISA) short or long slot

Connector: Accepts standard IEEE-488 connector with metric studs

Power: 1.0 A max. @ +5 V from PC

Environmental: 32 to 158°F (0 to 70°C), 0 to 95% RH (non-condensing)

DMA: 16-bit DMA on channels 5, 6 and 7; 8-bit DMA on channels 0, 1, 2 and 3 (jumper selectable)

Interrupts: IRQ 2, 3, 4, 5, 6, or 7 (8-bit slot); IRQ 3-7, 9-12, 14 or 15 (16-bit slot)

Multiple Boards: Up to four OMB-PER488/AT boards may be installed, sharing a single DMA channel and interrupt line

To Order *(Specify Model Number)*

Model Number	Price	Description
OMB-PER488/AT	$495	IEEE-488.2 board with drivers for DOS/WIN3.1
OMB-PER488/AT/W95	$495	IEEE-488.2 board with Windows 95 Drivers
OMB-PER488/AT/WNT	$495	IEEE-488.2 board with Windows NT Drivers