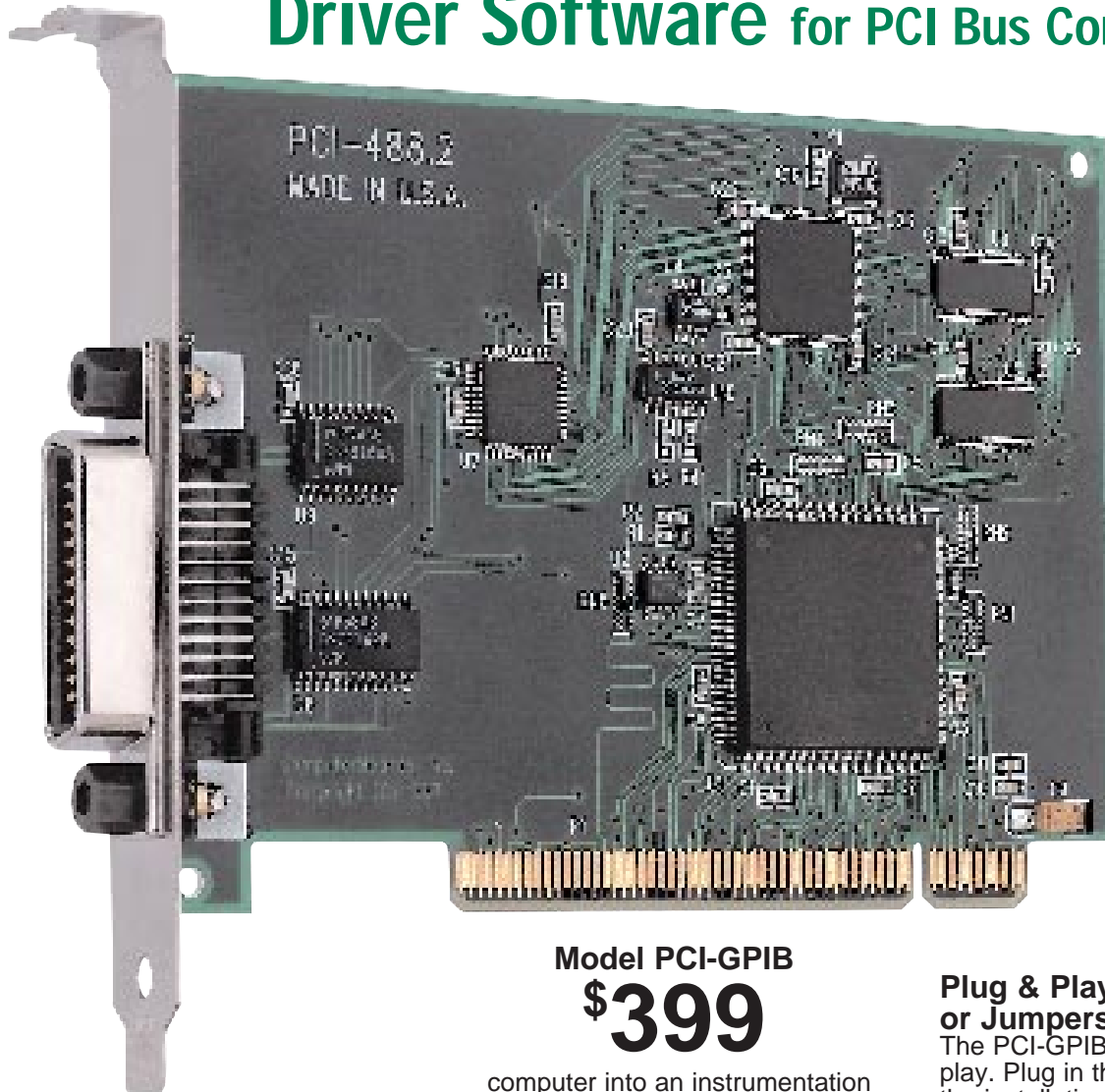




PCI-GPIB High Performance IEEE-488.2 Interface and Driver Software for PCI Bus Computers



Model PCI-GPIB
\$399

- ✓ IEEE 488.2 Standard Interface
- ✓ Complete Talker/Listener/Controller
- ✓ 1024 Word FIFO Buffer
- ✓ Industry Standard 32-Bit PCI Bus
- ✓ Data Transfer Rates Over 1Mega Bytes/Sec
- ✓ Includes GPIB-Library Complete Software Support Description

The PCI-GPIB IEEE-488 interface converts any PCI bus personal

computer into an instrumentation control and data acquisition system. Connect up to 14 instruments using standard IEEE-488 cables such as the C-488-2M, 2 meter IEEE-488 interface cable. The PCI-GPIB is designed around an industry standard GPIB chip.

Greater than 1MB/s Transfer Rates

The PCI-GPIB transfers data over the GPIB at rates in excess of 1 million bytes per second using the maximum IEEE-488 specification cable length (2 meters times the # of devices). A 1024-Word FIFO buffer and the advanced REP-INSW ISR transfer method provide all the horsepower required to achieve the highest possible rates.

Plug & Play - No Switches or Jumpers

The PCI-GPIB is a true plug and play. Plug in the PCI-GPIB and run the installation software then start communicating. The Plug and Play specification is a standard for system configuration of boards and software that automatically configures the address and interrupt level of the PCI-GPIB. Note, the PCI-GPIB does not use DMA in favor of the superior REP-INSW high speed transfer.

Windows NT, Windows 98, Windows 95, Windows 3.1 and DOS Compatibility

The PCI-GPIB hardware supports all of the operating systems and languages regardless of the operating systems support for plug and play. The installation software will manage resources for you on non-plug and play systems.



GPIB Library

The GPIB Library includes complete Windows Language programming support. You receive installation software and complete DOS, Windows 3.x, Windows 95, Windows 98 and Windows NT language drivers.

The GPIB Library for Windows is a Dynamic Link Library (DLL). It can be used with most Windows programming languages including Microsoft Visual C++ and C, Visual Basic, Borland C/C++, Watcom C and Pascal.

The GPIB Library is modeled after the National Instruments Library. As of the time of this writing, the Library is syntactically and functionally identical with the NI-488.2 library. This means that a program written for the NI-488.2 library may be recompiled for the GPIB Library and will compile, run and function without error in exactly the manner it did when compiled and run with the National Instruments software.

IEEE-488.2 (GPIB)

Compatibility

The PCI-GPIB adheres to ANSI/IEEE Standard 488-1978. Often referred to as the IEEE-488.2 bus or HPIB (Hewlett-Packard Interface Bus), the GPIB (General Purpose Interface Bus) is a standard for instrumentation communication and control for instruments from manufacturers the world over. The GPIB provides handshaking and interface communications over an 8 bit data bus employing 5 control and 3 handshake signals.

IEEE-488 Connection

Connecting GPIB devices together is straightforward. Since the signal lines are connected in parallel, a direct pin-to-pin wiring cable is used. GPIB, or IEEE-488, uses a standardized connector, which

additionally simplifies interconnecting different instruments.

The optional C-488-2M cable is a standard 2 meter IEEE-488 cable. It can be used to connect any of OMEGA's IEEE-488 devices to other IEEE-488 instruments. Since each connector has two parallel GPIB connections, a user can easily attach other GPIB devices to either end for expansion.

Specifications

The PCI-GPIB is compatible with IEEE-488.1 and IEEE-488.2 specifications.

Transfer Rate: >1Mbyte/sec

Power: 5 VDC @ 375 mA typical

Dimensions: 5.26 X 3.8"

I/O Connector: IEEE-488 Standard 24 pin

Operating Temp. & Humidity: 0 to 60°C @ 10 to 90%

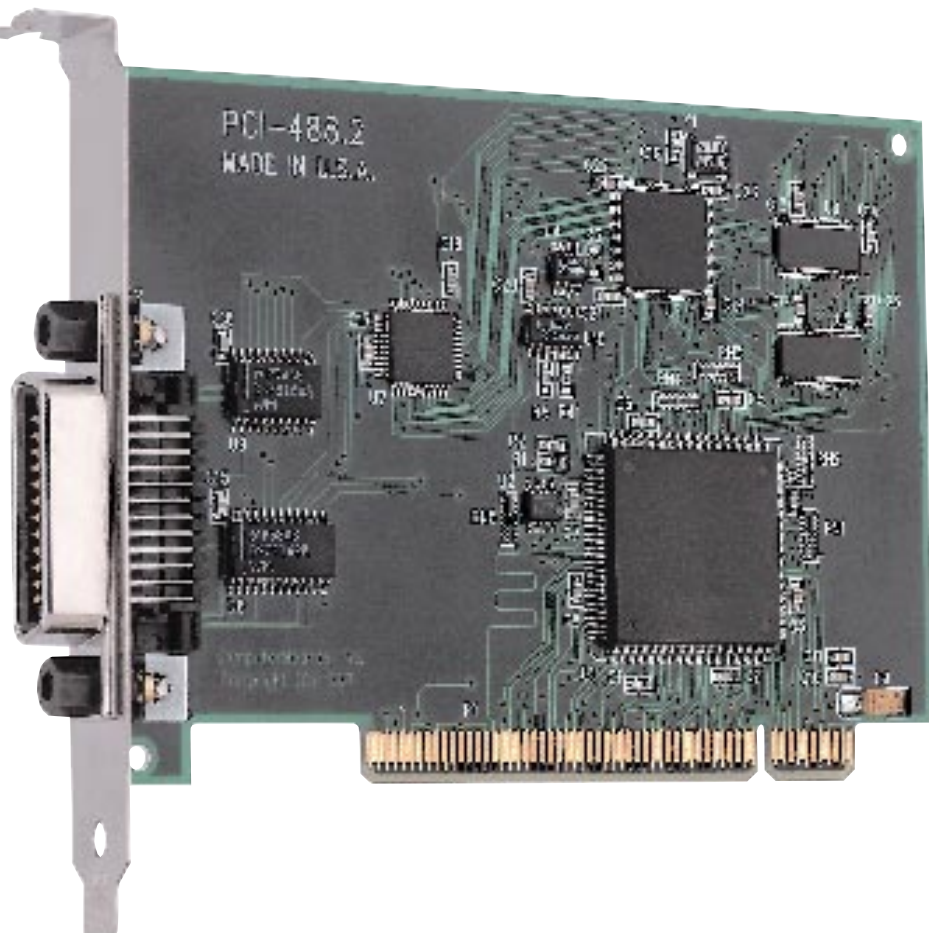
Storage Temp. & Humidity: -40 to 100°C @ 5 to 90%

To Order (Specify Model Number)

Model Number	Price	Description
PCI-GPIB	\$399	IEEE-488 controller card for the PCI bus
C-488-2M	59	IEEE-488 interface cable, 2 meters

The PCI-GPIB includes a user's manual and GPIB Library software.

Ordering Example: PCI-GPIB card, C-488-2M cable and OMEGACARESM 1-year extended warranty for PCI-GPIB (adds 1 year to standard 3-year warranty) \$399 + 59 + 30 = \$488





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• Flow and Level

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Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters