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Personal488/ATpnp™

1 Mbyte/s IEEE 488.2 Board with Plug & Play, Digital I/O, & Software for PCs

Features

- **Provides plug & play functionality for easy installation & setup**
- **Features 16-bit AT-bus compatibility**
- **Provides 1 Mbyte/s data transfer**
- **Offers full IEEE 488.2 support**
- **Includes Windows® 95/98/2000* drivers**
- **Easily programmable via familiar HP-style commands**
- **Includes eight interrupt lines & three DMA channels**

The Personal488/ATpnp™ is a plug-and-play version of IOtech's popular Personal488/AT IEEE 488.2 controller board. The Personal488/ATpnp converts your PC/AT into a high performance IEEE 488.2-compliant controller, while providing the convenience of plug-and-play installation and jumperless configuration. For example, if the Personal488/ATpnp is operated under Windows® 95/98, system resources such as base address, DMA channel, and interrupts are automatically allocated during your PC's start-up. The Personal488/ATpnp consists of an IEEE 488.2 half-slot interface board and Windows driver—which are fully and independently documented, ensuring easy start-up and usability.

Digital I/O

The Personal488/ATpnp provides eight TTL digital I/O lines, arranged in two four-bit groups; each group can be individually programmed as inputs or outputs. These eight lines are accessible via a ribbon cable equipped with a 9-pin female D-shell connector. In addition, the Personal488/ATpnp can synchronize the IEEE 488 Group Execute Trigger with digital signal states generated by external events.



The Personal488/ATpnp brings plug-and-play convenience to IEEE 488.2 applications

Software Driver Selection

A brief overview of IOtech's IEEE 488 drivers follows, with a more detailed description beginning on page 271.

Driver488/W95—High-performance Windows 95/98 drivers, with C, Delphi™, and Visual Basic® support.

Driver488/NI—National Instruments compatible Windows drivers for IOtech IEEE 488.2 hardware.

Specifications

IEEE 488 Controller Device: 7210
Maximum Transfer Rates: 1 Mbyte/s reads, 800 Kbytes/s writes
IEEE 488 Connector: Accepts standard IEEE 488 connector with metric studs
Power: 1A max @ +5V from PC
Environment: 0˚ to 70˚C; 0 to 95% RH, non-condensing
DMA: 16-bit DMA on channels 5, 6, or 7
Interrupts: 3, 4, 5, 7, 10, 11, 12, or 15
Multiple Boards: Up to three AT488pnp boards can be installed
Digital I/O: Each signal can source 2 mA @ 3.7V (6 mA @ 3.2V) and sink 2 mA @ 0.4V (6 mA @ 0.9V)
Dimensions: Occupies one PC-compatible (ISA) short or long slot

Ordering Information

Description	Part No.
ATpnp IEEE 488.2 board with plug-and-play; digital I/O; and all compatible drivers	Personal488/ATpnp
AT488pnp 16-bit IEEE 488.2 board with plug and play; and digital I/O; board only	AT488pnp
Shielded IEEE 488 cable, 6 ft.	CA-7-3

Related Products

DASYLab	p. 194
Driver488/W95	p. 272
Driver488/NI	p. 279

QUICK FIND

For up-to-date information on products, and to order online, visit the IOtech Web site and enter the corresponding page number in the QUICK FIND field.

SHOP ON LINE

* Contact factory for Windows® 2000 driver availability

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