



# Personal488/PCI™



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

### Features

- Features PCI local bus compatibility
- Provides 1 Mbyte/s data transfer
- Features plug-and-play
- Offers full IEEE 488.2 support
- Includes Windows® drivers
- Easily programmable via familiar HP-style commands
- Functions as PCI bus master
- Provides 8-channels of general-purpose digital I/O

The Personal488/PCI™ converts your PC into a high-performance IEEE 488.2-compliant controller, while providing the convenience of plug-and-play installation. The Personal488/PCI can transfer data across the IEEE 488 bus at sustained rates in excess of 1 Mbyte/s via the IEEE 488.2 handshake protocol; because it is a PCI bus master and is equipped with FIFO buffers, it can burst data across the PCI bus at up to 133 Mbytes/s. The Personal488/PCI package includes an IEEE 488.2 PCI compatible interface board with Windows drivers—which are fully documented, ensuring easy start-up and usability.

### Digital I/O

The Personal488/PCI provides eight TTL digital I/O lines, arranged in two 4-bit groups that 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/PCI can generate PCI interrupts in response to digital signal states, and can synchronize the IEEE 488 Group Execute Trigger with digital signal states generated by external events.

*Personal488/PCI provides IEEE 488.2 1 Mbyte/s data transfer and plug-and-play installation*



### Software Driver Selection

A brief overview of the Driver488 family follows, with a more detailed description beginning on page 312.

**Driver488**—High-performance Windows drivers, with C/C++, 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 and writes
- IEEE 488 Connector:** Accepts standard IEEE 488 connector with metric studs
- Digital I/O Connector:** Standard 9-pin female DSUB connector
- Power:** 500 mA @ +5V from PC
- Environment:** 0° to 70°C; 0 to 95% RH, non-condensing
- Multiple Boards:** Up to four PCI488 boards can be installed into one PC
- 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 PCI slot (32 bit, 5V)

### Ordering Information

Description	Part No.
PCI488 IEEE 488.2 board with plug and play, digital I/O, and all compatible drivers	Personal488/PCI
Shielded IEEE 488 cable, 6 ft.	CA-7-3

For complete information on accessories and cables, visit [www.iotech.com/acc](http://www.iotech.com/acc)

Related Products	
DASyLab	p. 234
Data Acquisition Instruments	p. 297
Driver488	p. 312
Driver488/NI	p. 313