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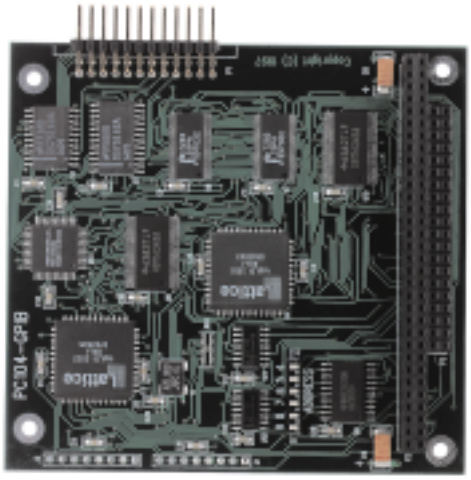
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Find the *Measurement Computing PC104-GPIB* at our website: *Click HERE*

PC104-GPIB

Highest Performance IEEE-488.2 Interface and Driver Software for PC104 Bus Computers



Features

IEEE 488.2 Standard interface
Complete Talker/Listener/Controller
Uses the new industry standard CB7210.2
Industry Standard 16 Bit PC104 Bus
Data transfer rates over 1Mega bytes/sec
REP-INSW block transfer
1024 Word FIFO buffer
High Speed State Machine Bus Manager
Cable included
7 Interrupt lines, Shared interrupt capability
Transparent interrupt enabling/disabling

Includes GPIB-Library complete software support

DESCRIPTION

The PC104-GPIB IEEE-488 interface converts any PC104 bus personal computer into an instrumentation control and data acquisition system. Connect up to 14 instruments using standard IEEE-488 cables such as the C488-2M, 2 meter IEEE-488 interface cable.

The PC104-GPIB is designed around the new industry standard CB7210.2 GPIB chip.

Greater than 1MB/s Transfer Rates

The PC104-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.

Controlled by ComputerBoards' advanced High Speed State Machine Bus Manager, the CB7210.2 and FIFO buffer are able to absorb all the information coming from the highest speed instruments. The high speed state machine provides byte-to-word packing and unpacking and since words carry twice the information bytes do, packed data requires fewer bus cycles to transfer the same GPIB information.

Worried that you may need more than 1.5MB/s? Consider that Hewlett-Packard, the worlds largest instrument manufacturer, does not manufacture an instrument that transfers data over the GPIB at greater than 800KB/s!

IEEE-488.2 (GPIB) Compatibility

The PC104-GPIB adheres to ANSI/IEEE Standard 488-1978. Often referred to as the IEEE-488.2 bus, GPIB bus or HP-IB bus, the GPIB (**G**eneral **P**urpose **I**nterface **B**us) 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.

Equipped with a PC104-GPIB, a personal computer can:

Control GPIB instruments.
Gather data from GPIB test equipment.
Become a data acquisition station in a GPIB system.

One switch, no jumpers

The PC104-GPIB is so easy to install. Select a base address, plug in the PC104-GPIB and run the installation software then start communicating. The installation software automatically configures the interrupt level of the PC014-GPIB. Note, the PC104-GPIB does not use DMA in favor of the superior REP-INSW high speed transfer.

Windows 95, Windows 3.1 and DOS Compatibility

The PC104-GPIB hardware supports all the operating systems and languages. The installation software will manage resources for you on non-plug and play systems.

Specifications

The PC104-GPIB is compatible with IEEE-488.1 and IEEE-488.2 specifications.

Transfer Rate	>1Mbyte/sec
Power	5VDC @ 350mA Typical
Dimensions	PC104 Compliant
I/O Connector	24 pin header w/mating cable
Operating Temp. & Hum.	0-60 Degrees C @ 10-90%
Storage Temp. & Hum.	-40-70 Degrees C @ 5-90%

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Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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