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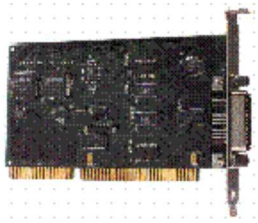
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ComputerBoards, INC.



ISA-GPIB

Highest Performance IEEE-488.2 Interface and Driver Software for ISA Bus

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Features

- IEEE 488.2 Standard interface
- Complete Talker/Listener/Controller
- Uses the new industry standard CB7210.2
- Industry Standard 16 Bit ISA Bus
- Data transfer rates over 1Mega bytes/sec
- REP-INSW block transfer
- 1024 Word FIFO buffer
- High Speed State Machine Bus Manager
- RF shielded IEEE-488 cable connector
- 7 Interrupt lines, Shared interrupt capability
- Transparent interrupt enabling/disabling
- Includes GPIB-Library complete software support

DESCRIPTION

The ISA-GPIB IEEE-488 interface converts any ISA 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 ISA-GPIB is designed around the new industry standard CB7210.2 GPIB chip.

Greater than 1MB/s Transfer Rates

The ISA-GPIB transfers data over the GPIB at rates in excess of 1 million bytes per second. 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 world's largest instrument manufacturer, does not manufacture an instrument that transfers data over the GPIB at greater than 800KB/s! The PCI-GPIB is more than fast enough for any application.

IEEE-488.2 (GPIB) Compatibility

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

Windows 95, Windows 3.1 and DOS Compatibility

The ISA-GPIB hardware supports all the operating systems and languages. Your programs run without modifications required to the GPIB-Library commands. The language interface is standard for a given language in all operating systems.

SPECIFICATIONS

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

Transfer Rate.....>1 Mbyte/sec
Power.....5 VDC@350mA Typical
Dimensions.....3.5 X 6.375 Inches
I/O Connector.....IEEE-488 Standard 24 Pin
Operating Temp. & Hum....0-60 Degrees C @ 10-90%
Storage Temp. & Hum.....-40 to 100 Degrees C @ 5-90%

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Artisan Technology Group is an independent supplier of quality pre-owned equipment

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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Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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