

# GPIB Interfaces for IBM Computers and Workstations

## NI MC-GPIB, NI GPIB-RS/6000

- NAT4882 and Turbo488 ASICs
  - Reduced software overhead
  - FIFO buffers for decoupling GPIB transfers from Micro Channel transfers
- 16-bit Micro Channel interface with byte-to-word packing and unpacking in hardware
- Transfer rates of more than 1 Mbytes/s
- PS/2 POS circuitry for automatic selection of I/O address, interrupt level, and DMA channel (no hardware jumpers or switches)

### Recommended Software

- LabVIEW
- LabWindows/CVI

### Driver Software (included)

- NI-488.2
  - Windows 3.1
  - DOS
  - AIX



### INFO CODES

For more information, or to order products online visit [ni.com/info](http://ni.com/info) and enter:

mcgpib

gpibrs6000

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## Overview

The National Instruments MC-GPIB and GPIB-RS/6000 are high-performance IEEE 488 interfaces for IBM PS/2 and compatible computers and IBM RISC System/6000 workstations that have 16-bit Micro Channel plug-in slots. The National Instruments NAT4882 and Turbo488 ASICs make these maximum-performance IEEE 488.2 interfaces. Standard IEEE 488 cables connect the interfaces to up to 14 instruments.

## Ordering Information

MC-GPIB and NI-488.2 for	
Windows 3.1/DOS.....	776183-01
GPIB-RS/6000 kit.....	776386-01
Kit includes MC-GPIB board and NI-488.2 for AIX.	

# GPIB Interface for EXM Embedded Systems

## NI EXM-GPIB

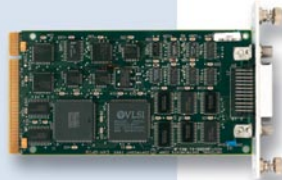
- NAT4882 and Turbo488 ASICs
  - Reduced software overhead
  - FIFO buffers for decoupling GPIB transfers from EXM bus transfers
- Transfer rates of more than 1.1 Mbytes/s
- 16-bit EXM bus interface with byte-to-word packing and unpacking in hardware
- User-selectable hardware features
  - 11 interrupt lines, three 16-bit DMA channels

### Recommended Software

- LabVIEW
- LabWindows/CVI

### Driver Software (included)

- NI-488.2
  - Windows 3.1
  - DOS



### INFO CODES

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## Overview

The National Instruments EXM-GPIB is a low-cost, high-performance IEEE 488 interface for RadisyS embedded PC systems – VME, VXI, or EMC – equipped with 16-bit EXM slots. The National Instruments NAT4882 and Turbo488 ASICs make the NI EXM-GPIB a maximum-performance IEEE 488.2 interface. The NAT4882 chip performs the basic IEEE 488 Talker, Listener, and Controller functions, as well as the IEEE 488.2 Controller functions.

## Ordering Information

EXM-GPIB and NI-488.2 for	
Windows 3.1/DOS.....	776869-01