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# GPIB Interfaces for IBM Computers and Workstations

MC-GPIB, GPIB-RS/6000

## MC-GPIB, GPIB-RS/6000

### NAT4882 ASIC

Completely IEEE 488.2 compatible  
Compatible with NEC  $\mu$ PD7210 controller chip  
Additional features reduce software overhead

### Turbo488 ASIC

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 rate over 1 Mbyte/s

PS/2 POS circuitry for automatic selection of I/O address, interrupt level, and DMA channel (no hardware jumpers or switches)

### Driver Software

NI-488.2  
Windows 3.1  
DOS  
AIX

### Application Software

LabVIEW  
LabWindows/CVI, a component of Measurement Studio



## 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, respectively. The National Instruments NAT4882 and Turbo488 ASICs make the interfaces maximum-performance IEEE 488.2 interfaces. Standard IEEE 488 cables connect the interfaces to up to 14 instruments.



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

mcgpib  
gpibrs6000

**BUY ONLINE!**

## Ordering Information

MC-GPIB and NI-488.2 for

Windows 3.1/DOS .....776183-01

GPIB-RS/6000 .....776386-01

*Includes MC-GPIB and NI-488.2 for AIX*

GPIB Instrument Control

## Specifications

### IEEE 488 Compatibility

Compatible with IEEE 488.1 and IEEE 488.2  
IEEE 488 bus transfer rate..... over 1 Mbytes/s  
(actual rates depend on system configuration and instrument capabilities)

### Power Requirement (from Micro Channel)

+5 VDC ..... 1.0 A typical, 1.6 A maximum

### Physical

Dimensions ..... 8.9 by 29.2 cm  
(3.5 by 11.5 in.)  
I/O connector..... IEEE 488 standard 24-pin

### Operating Environment

Component temperature..... 0 to 55 °C  
Relative humidity ..... 10 to 90%, noncondensing

### Storage Environment

Temperature ..... -20 to 70 °C  
Relative humidity ..... 5 to 90%, noncondensing



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