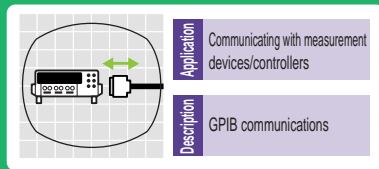




GPIB Communications

GPIB COMMUNICATIONS

Provides PC with GPIB-compliant communication port(s). These can be used as the communication interface for measurement devices equipped with GPIB communication ports as well as various other controllers.



Pictograms

Bus Specifications

PCI Express

Product is PCI Express standard compliant and can be used in the computer equipped with PCI Express bus expansion slot.

PCI

Product is PCI standard compliant and can be used in the computer equipped with PCI bus expansion slot.

Card Bus

Product supports Cardbus that is a 32-bit PC card standard bus.

USB 2.0

Product is USB standard compliant and can be used in the computer equipped with USB2.0/1.1 ports. Supports USB2.0 high-speed mode(480Mbps).

Compact PCI

Product is Compact PCI - compliant and can be used in the computer equipped with Compact PCI 3U expansion slot.

Board Size

Low Profile

Product is PCI standard/Low Profile compliant. A bracket for standard-size PCI slots is provided.

Supported softwares

Windows Driver

API-TOOL Drivers for Windows are provided. The license-free driver software (both development and runtime) provides commands to interface boards or cards using Windows standard Win32API function (DLL).

Linux Diver

API-TOOL Drivers for Linux are provided. The license-free driver software (both development and runtime) that provide commands to interface boards or cards using module-style device drivers and the shared library.

LabVIEW

VI-DAQ, a VI library for use with National Instruments' LabVIEW can be downloaded from our Web site. With function format similar to that of LabVIEW's "Data Acquisition VI", VI-DAQ set-up is not complicated therefor simplifying device operation.

Points

XX byte/s

Maximum transfer speed.

FIFO Memory

You can transmit/receive data using the onboard FIFO memory. Since the communication is controlled by the board, high-speed communication can be achieved regardless of computer CPU speed.

Timer

Built-in application timer provides precise time monitoring in Windows.

Bus Analyzer

Onboard memory allows analysis of the status change of all lines on the GPIB cable. (Max. 64K data reception)

Bus Master

Bus master transfer allows the transfer of large amounts of data between the PC and board without putting an additional load on CPU.

Cable connection

GPIB standard limits the number of cables and cable length.

- (1) Up to 15 devices can be connected to a computer because it is responsible for coordinating bus traffic.
- (2) Cable length: 20m between controller and a one device or 2m between each device, whichever is less.

Options for GPIB

GPIB cable
PCN-T02 (2m)

PCN-T04 (4m)

Double Shielded **UL**

The exclusive connection cable is of high electricity resistance and reliability that is compatible with GPIB.



GPIB connector
CN-GP/C

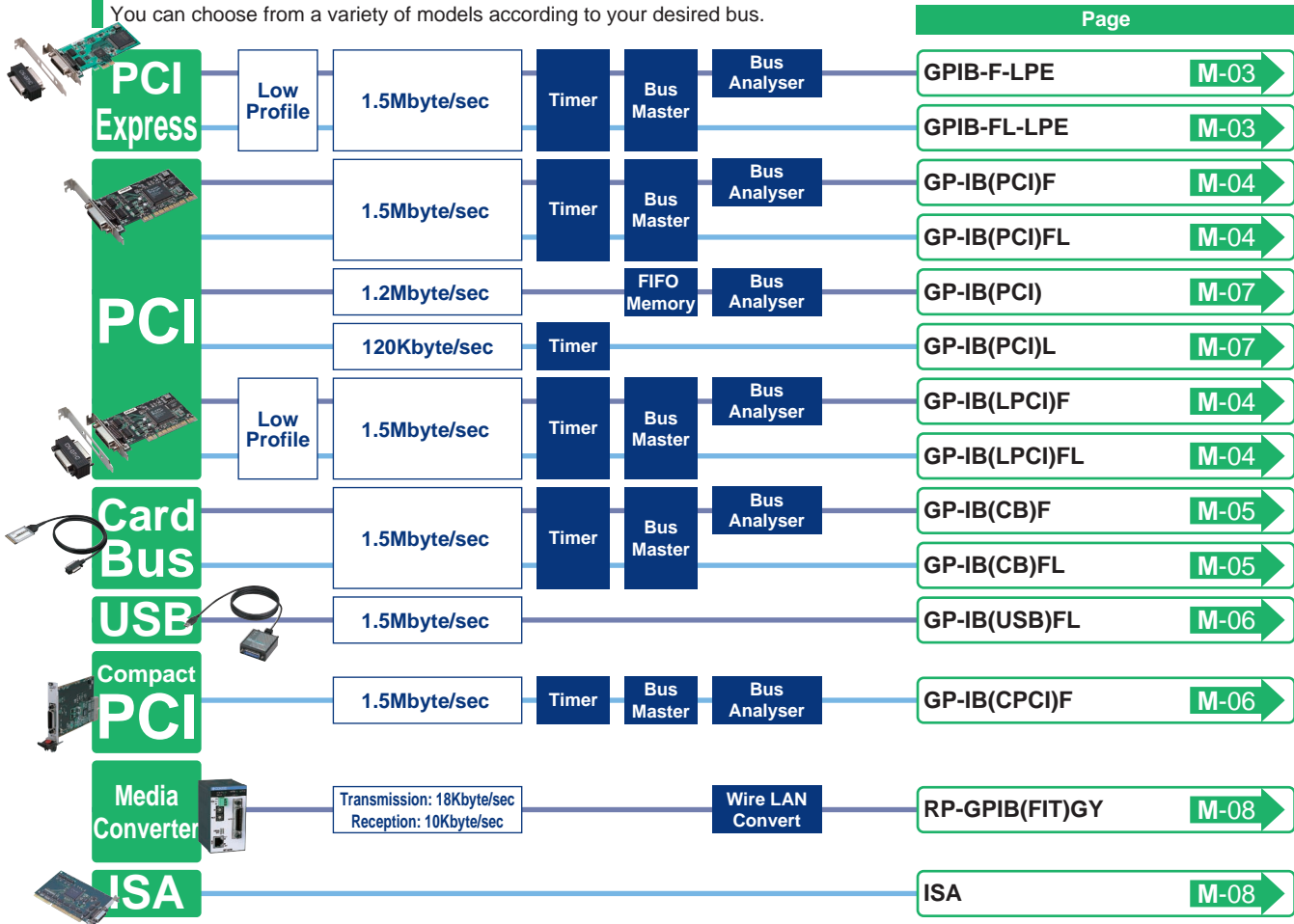
The connector adapter is best to be equipped in high noisy environments such as on the Extension Slot of PC or cable from an adjoining board.



GPIB Communication

Product Lineup

You can choose from a variety of models according to your desired bus.



Box-PCs

Panel-PCs

Flat Panel Displays

Silicon Disk Drives

Option

Box PCs & Panel PCs with Windows CE

Single Board Computer

Chassis / Backplane

Analog I/O

Digital I/O

Counter & Motion Controller

Serial Communication

GPIB Communication

Remote I/O

Expansion Unit / Bus Adapter

Software

Accessories & Cables

Distributed Monitor & Control Network: F&IT

Multi-Programmable Display

Wireless LAN

Remote Monitoring Solution

Service & Products

Features of GPIB F Series - High-functionality / High speed

CONTEC's new series of GPIB communication boards are IEEE-488.2 compliant and feature bus master high-speed data transmission and GPIB bus analysis. The major features and functions of this series include:

- PCI Express : GPIB-F-LPE, GPIB-FL-LPE
- PCI : GP-IB(LPCI)F, GP-IB(LPCI)FL, GP-IB(PCI)F, GP-IB(PCI)FL
- Compact PCI : GP-IB(CPCI)F
- CardBus : GP-IB(CB)F, GP-IB(CB)FL
- USB : GP-IB(USB)FL

1. 1.5Mbyte/sec - Maximum transfer speed

CONTEC's GPIB F Series devices can communicate at a maximum transfer speed of 1.5Mbyte/sec.

2. Bus master transfer [Exclusive of GP-IB(USB)FL]

Bus master transfer allows bulk data to be transferred between the computer and board with no additional load on the CPU.

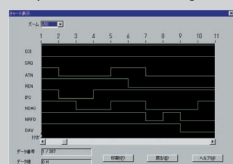
3. 2Kbyte FIFO for both transmission and reception

2Kbyte FIFO is provided for handling transmissions and receptions, furthering high-speed transmission of both small and large size data. High-speed transmission is also possible using interface message with FIFO.

4. GPIB bus analyzer

[Exclusive of GP-IB(PCI/LPCI/CB/USB)FL, GPIB-FL-LPE]

F Series boards [excluding GPIB (PCI)FL], are capable of not only analyzing the signals that run along the GPIB bus but also of conducting a signal analysis while GPIB communication is in progress.



5. High-precision timer

A high-precision application timer is built-in enabling precise time monitoring under Windows.

6. Reliable, long-term availability

These boards feature a high-speed GPIB controller (compatible with PD7210 & up) developed by CONTEC assuring reliable long-term availability.

7. Diagnosis program

System configuration support is provided by a diagnosis program. This program can conduct hardware operation checks (interrupt / I/O access) and basic communication tests (between PC & external devices).

8. Line monitoring

Able to read total control line (IFC, ATN, SRQ, REN, EOI, DAV, NRFD, NDAC) status as well as latch data. Also capable of reading data line (DIO1 - DIO8) status. [GP-IB(PCI/LPCI/CB/USB)FL, GPIB-FL-LPE can monitor control line only.]

M-02

Lineup Accessories & Cables

High-Performance F series

PCI Express

PCI

PC Card

USB

Compact PCI

Standard

PCI

Media Converter

ISA

GPIB Communication

High-Performance F series

Box-PCs
Panel-PCs
Flat Panel Displays
Silicon Disk Drives
Option
Box PCs & Panel PCs with Windows CE
Single Board Computer
Chassis / Backplane
Analog I/O
Digital I/O
Counter & Motion Controller
Serial Communication
GPIB Communication
Remote I/O
Expansion Unit / Bus Adapter
Software
Accessories & Cables
Distributed Monitor & Control Network: F&EIT
Multi-Programmable Display
Wireless LAN
Remote Monitoring Solution
Service & Products

PCI Express

Low Profile
F series
1.5M byte/s
Timer
Bus Master

Windows Driver
Linux Driver
LabVIEW

Low-cost High performance IEEE488.2/GPIB GPIB-FL-LPE

- Bus Master provides high-speed transfer of bulk data without applying any additional load on the CPU
- 2Kbyte I/O (transmission and reception) FIFO
- Equipped with GPIB controller developed by CONTEC assuring reliable long-term availability
- CN-GP/C (GPIB connector adaptor) included
- Low Profile PCI -compliant (includes bracket for use in standard PCI slot)



Soon to be RoHS-compliant

PCI Express

Low Profile
F series
1.5M byte/s
Timer
Bus Analyzer
Bus Master

Windows Driver
Linux Driver
LabVIEW

High performance IEEE488.2/GPIB GPIB-F-LPE

- Bus Master provides high-speed transfer of bulk data without applying any additional load on the CPU
- 2Kbyte I/O (transmission and reception) FIFO
- GPIB Bus Analyzer function
- Equipped with GPIB controller developed by CONTEC assuring reliable long-term availability
- CN-GP/C (GPIB connector adaptor) included
- Low Profile PCI -compliant (includes bracket for use in standard PCI slot)



Soon to be RoHS-compliant

M-03

Lineup
Accessories & Cables
High-Performance F series
PCI Express
PCI
PC Card
USB
Compact PCI
Standard
PCI
Media Converter
ISA

Model	GPIB-FL-LPE	GPIB-F-LPE
Interface type	IEEE-488.1, IEEE-488.2	
Number of Channels	1	
Speed	1.5Mbyte/sec (Max.)	
Data type	8 parallel lines, 3 handshake lines	
Signal Logic	Negative Logic: <Low Level> 0.8V or less, <High level> 2.0V or more	
Interrupts	1	
I/O Address	Any of 128-byte boundary	
Wiring Distance *1	4m (Max.)	
Total cable length *1	20m (Max.)	
Connectable Devices *1	15	
Power Consumption (Max.)	3.3VDC 600mA	
Bus / Dimensions (mm)	PCI Express Base Specification Rev. 1.0a x1 / 121.69(L)x67.90(H)	
Included cable length	-	
Connector	24-pin Ribbon Connector: 555139-1 [AMP] or equivalent	
Options	-	
Software	-	
Accessories	CN-GP/C *2	
Cables / Connectors	PCN-T02, PCN-T04	

Note: *1: For more detailed information, please see page K-02.
*2: CN-GP/C is standardly included with GPIB-FL-LPE and GPIB-F-LPE.

As shown on the side of product's images, Pbfree  is a CONTEC original marking for lead-free products.

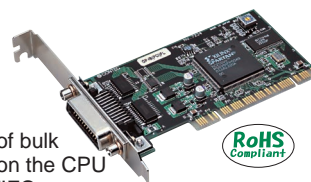
High-Performance F series GPIB Communication

Please see page N-01 for supported software.

PCI F series 1.5M byte/s Timer Bus Master CE
 Windows Driver Linux Driver LabVIEW

Low-cost High performance IEEE488.2/GPIB GP-IB(PCI)FL

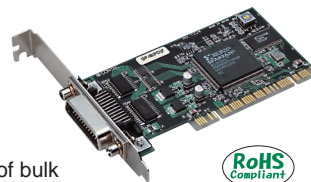
- Bus Master provides high-speed transfer of bulk data without applying any additional load on the CPU
- 2Kbyte I/O (transmission and reception) FIFO
- Equipped with GPIB controller developed by CONTEC assuring reliable long-term availability



PCI F series 1.5M byte/s Timer Bus Analyzer Bus Master CE
 Windows Driver Linux Driver LabVIEW

High performance IEEE488.2/GPIB GP-IB(PCI)F

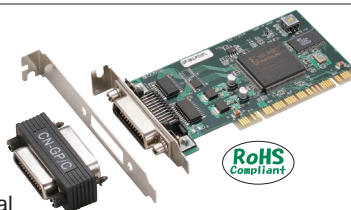
- Bus Master provides high-speed transfer of bulk data without applying any additional load on the CPU
- 2Kbyte I/O (transmission and reception) FIFO
- GPIB Bus Analyzer function
- Equipped with GPIB controller developed by CONTEC assuring reliable long-term availability



PCI Low Profile F series 1.5M byte/s Timer Bus Master CE
 Windows Driver Linux Driver LabVIEW

Low-cost High performance IEEE488.2/GPIB GP-IB(LPCI)FL

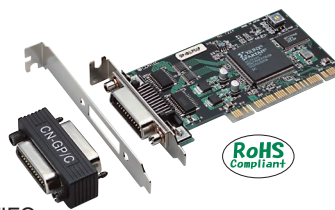
- Bus Master provides high-speed transfer of bulk data without applying any additional load on the CPU
- 2Kbyte I/O (transmission and reception) FIFO
- Equipped with GPIB controller developed by CONTEC assuring reliable long-term availability
- CN-GP/C (GPIB connector adaptor) included
- Low Profile PCI -compliant (includes bracket for use in standard PCI slot)



PCI Low Profile F series 1.5M byte/s Timer Bus Analyzer Bus Master CE
 Windows Driver Linux Driver LabVIEW

High performance IEEE488.2/GPIB GP-IB(LPCI)F

- Bus Master provides high-speed transfer of bulk data without applying any additional load on the CPU
- 2Kbyte I/O (transmission and reception) FIFO
- GPIB Bus Analyzer function
- Equipped with GPIB controller developed by CONTEC assuring reliable long-term availability
- CN-GP/C (GPIB connector adaptor) included
- Low Profile PCI -compliant (includes bracket for use in standard PCI slot)



Model	GP-IB(PCI)FL	GP-IB(PCI)F	GP-IB(LPCI)FL	GP-IB(LPCI)F
Interface type	IEEE-488.1, IEEE-488.2			
Number of Channels	1			
Speed	1.5Mbyte/sec (Max.)			
Data type	8 parallel lines, 3 handshake lines			
Signal Logic	Negative Logic: <Low Level> 0.8V or less, <High level> 2.0V or more			
Interrupts	1			
I/O Address	Any of 128-byte boundary			
Wiring Distance *1	4m (Max.)			
Total cable length *1	20m (Max.)			
Connectable Devices *1	15			
Power Consumption (Max.)	5VDC 400mA			
Bus / Dimensions (mm)	PCI (32bit, 33MHz, 5V or 3.3V*2) / 121.69(L)×63.41(H)			
Included cable length	-			
Connector	24-pin Ribbon Connector: 555139-1 [AMP] or equivalent			
Options	Software - Accessories CN-GP/C *3 Cables / Connectors PCN-T02, PCN-T04			

Note: *1: For more detailed information, please see page K-02.
 *2: +5V power must be supplied from PCI bus slot.
 *3: CN-GP/C is standardly included with GP-IB(LPCI)FL and GP-IB(LPCI)F.

As shown on the side of product's images, RoHS compliant is a CONTEC original marking for RoHS-compliant products.

- Box-PCs
- Panel-PCs
- Flat Panel Displays
- Silicon Disk Drives
- Option
- Box PCs & Panel PCs with Windows CE
- Single Board Computer
- Chassis / Backplane
- Analog I/O
- Digital I/O
- Counter & Motion Controller
- Serial Communication
- GPIB Communication**
- Remote I/O
- Expansion Unit / Bus Adapter
- Software
- Accessories & Cables
- Distributed Monitor & Control Network: F&EIT
- Multi-Programmable Display
- Wireless LAN
- Remote Monitoring Solution
- Service & Products

M-04

- Lineup
- Accessories & Cables
- High-Performance F series
- PCI Express
- PCI**
- PC Card
- USB
- Compact PCI
- Standard
- PCI

- Media Converter
- ISA

GPIB Communication

High-Performance F series

Box-PCs
Panel-PCs
Flat Panel Displays
Silicon Disk Drives
Option
Box PCs & Panel PCs with Windows CE
Single Board Computer
Chassis / Backplane
Analog I/O
Digital I/O
Counter & Motion Controller
Serial Communication
GPIB Communication
Remote I/O
Expansion Unit / Bus Adapter
Software
Accessories & Cables
Distributed Monitor & Control Network: F&IT
Multi-Programmable Display
Wireless LAN
Remote Monitoring Solution
Service & Products

Card Bus

F series
1.5M byte/s
Timer
Bus Master
CE

Windows Driver
Linux Driver
LabVIEW

Low-cost High performance IEEE488.2/GPIB

GP-IB(CB)FL

- IEEE-488.1 / IEEE-488.2 -compliant
- 1.5Mbyte/sec transmission speed (max)
- Bus Master provides high-speed transfer of bulk data without applying any additional load on the CPU
- 2Kbyte I/O (transmission and reception) FIFO
- Equipped with GPIB controller developed by CONTEC assuring reliable long-term availability

Connection cable included



Soon to be RoHS-compliant

Card Bus

F series
1.5M byte/s
Timer
Bus Analyzer
Bus Master
CE

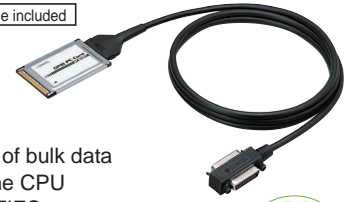
Windows Driver
Linux Driver
LabVIEW

High performance IEEE488.2/GPIB

GP-IB(CB)F

- IEEE-488.1 / IEEE-488.2 -compliant
- 1.5Mbyte/sec transmission speed (max)
- Bus Master provides high-speed transfer of bulk data without applying any additional load on the CPU
- 2Kbyte I/O (transmission and reception) FIFO
- GPIB Bus Analyzer function
- Equipped with GPIB controller developed by CONTEC assuring reliable long-term availability

Connection cable included



Soon to be RoHS-compliant

M-05

Lineup
Accessories & Cables
High-Performance F series
PCI Express
PCI
PC Card
USB
Compact PCI
Standard
PCI
Media Converter
ISA

Model	GP-IB(CB)F	GP-IB(CB)FL
Interface type	IEEE-488.1, IEEE-488.2	
Number of Channels	1	
Speed	1.5Mbyte/sec (Max.)	
Data type	8 parallel lines, 3 handshake lines	
Signal Logic	Negative Logic: <Low Level> 0.8V or less, <High level> 2.0V or more	
Interrupts	1	
Wiring Distance *1	Any of 128-byte boundary	
Total cable length *1	4m (Max.)	
Connectable Devices *1	20m (Max.) *2	
Connectable Devices	15	
Power Consumption (Max.)	5VDC 400mA	
Bus / Dimensions (mm)	PC Card Standard CardBus / TYPE II	
Included cable length	2.0m	
Connector	24-pin Ribbon Connector: RC40-24RR [HIROSE] or equivalent	
Options	Software - Accessories CN-GP/C Cables / Connectors PCN-T02, PCN-T04	

Note:

*1: For more detailed information, please see page K-02.
*2: Including cables

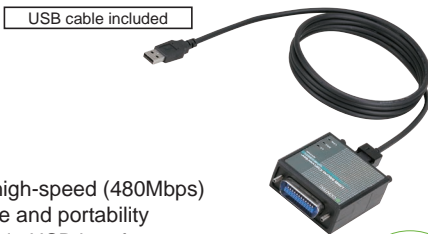
As shown on the side of product's images, Pbfree is a CONTEC original marking for lead-free products.

Please see page P-01 for supported software.

USB 2.0 **F series** **1.5M byte/s**
Windows Driver **LabVIEW**

Low-cost High performance IEEE488.2/GPIB GP-IB(USB)FL

- USB2.0/USB1.1-compliant, high-speed (480Mbps)
- Bus-powered for convenience and portability
- Direct GPIB communication via USB interface
- USB cable can be attached firmly to the main unit by using a USB cable attachment.
- LED display enables GPIB communication monitoring (Listner mode, SRQ)
- Compact design that makes it ideal for use where space is limited



Soon to be RoHS-compliant

- Box-PCs
- Panel-PCs
- Flat Panel Displays
- Silicon Disk Drives
- Option
- Box PCs & Panel PCs with Windows CE
- Single Board Computer
- Chassis / Backplane
- Analog I/O
- Digital I/O
- Counter & Motion Controller
- Serial Communication
- GP-IB Communication**
- Remote I/O
- Expansion Unit / Bus Adapter
- Software
- Accessories & Cables
- Distributed Monitor & Control Network: F&IT
- Multi-Programmable Display
- Wireless LAN
- Remote Monitoring Solution
- Service & Products

Compact PCI **F series** **1.5M byte/s** **Timer** **Bus Analyzer** **Bus Master**
Windows Driver **Linux Diver** **LabVIEW**

High performance IEEE488.2/GPIB GP-IB(CPCI)F

- IEEE-488.1 / IEEE-488.2 -compliant
- 1.5Mbyte/sec transmission speed (max)
- Bus Master provides high-speed transfer of bulk data without applying any additional load on the CPU
- 2Kbyte I/O (transmission and reception) FIFO
- GPIB Bus Analyzer function
- Equipped with GPIB controller developed by CONTEC assuring reliable long-term availability
- 3Ux4HP -compliant slot



M-06

- Lineup
- Accessories & Cables
- High-Performance F series
- PCI Express
- PCI
- PC Card
- USB**
- Compact PCI**
- Standard
- PCI

- Media Converter
- ISA

Model	GP-IB(CB)F	GP-IB(CPCI)F
Interface type	IEEE-488.1, IEEE-488.2	
Number of Channels	1	
Speed	1.5Mbyte/sec (Max.)	
Data type	8 parallel lines, 3 handshake lines	
Signal Logic	Negative Logic: <Low Level> 0.8V or less, <High level> 2.0V or more	
Interrupts	-	1
I/O Address	-	Any of 128-byte boundary
Wiring Distance *1	4m (Max.)	
Total cable length *1	20m (Max.) *2	
Connectable Devices *1	15	
Power Consumption (Max.)	5VDC 450mA	5VDC 400mA
Bus / Dimensions (mm)	USB Specification 1.1/2.0 / 62(W)×64(D)×24(H)	CompactPCI / 3Ux4HP
Included cable length	1.8m	-
Connector	24-pin Ribbon Connector, IEEE-488 plug	24-pin Ribbon Connector, IEEE-488 receptacle
Options	-	
Software	-	
Accessories	CN-GP/C	
Cables / Connectors	PCN-T02, PCN-T04	

Note: *1: For more detailed information, please see page K-02.
 *2: Including USB cables

As shown on the side of product's images, Pbfree is a CONTEC original marking for lead-free products.

GPIB Communication

Standard

- Box-PCs
- Panel-PCs
- Flat Panel Displays
- Silicon Disk Drives
- Option
- Box PCs & Panel PCs with Windows CE
- Single Board Computer
- Chassis / Backplane
- Analog I/O
- Digital I/O
- Counter & Motion Controller
- Serial Communication
- GPIB Communication**
- Remote I/O
- Expansion Unit / Bus Adapter
- Software
- Accessories & Cables
- Distributed Monitor & Control Network: F&IT
- Multi-Programmable Display
- Wireless LAN
- Remote Monitoring Solution
- Service & Products

PCI **FIFO Memory** **1.2M byte/sec** **Bus Analyzer** **CE**
Windows Driver **LabVIEW**

IEEE488.2 / GPIB GP-IB(PCI)



- 1MB I/O FIFO provided to attain 1.2MB communication rate (max.)
- IEEE-488.1 / IEEE-488.2 - compliant
- GPIB Bus Analyzer function can monitor bus line data Requires use of API-PAC(W32)
- Equipped with GPIB controller developed by CONTEC assuring reliable, long-term availability

M-07

- Lineup Accessories & Cables
- High-Performance F series**
- PCI Express
- PCI
- PC Card
- USB
- Compact PCI
- Standard**
- PCI**
- Media Converter
- ISA

PCI **120K byte/sec** **Timer** **CE**
Windows Driver **LabVIEW**

IEEE488.2 / GPIB GP-IB(PCI)L



- IEEE-488.1 / IEEE-488.2 -compliant
- Equipped with GPIB controller developed by CONTEC assuring reliable long-term availability
- GPIB control timer enables high-precision time management
- Monitors GPIB bus line supports IFC (latch function provided), SRQ and ATN

Model	GP-IB(PCI)	GP-IB(PCI)L
Interface type	IEEE-488.1, IEEE-488.2	
Number of Channels	1	
Speed	1.2Mbyte/sec (Max.)	120Kbyte/sec (Max.)
Data type	8 parallel lines, 3 handshake lines	
Signal Logic	Negative Logic: <Low Level> 0.8V or less, <High level> 2.0V or more	
Interrupts	1	
I/O Address	Any of 16-byte boundary	Any of 32-byte boundary
Wiring Distance	4m (Max.)	
Total cable length	20m (Max.)	
Connectable Devices	15	
Power Consumption (Max.)	5VDC 970mA	5VDC 300mA
Bus / Dimensions (mm)	PCI (32bit, 33MHz, 5V) / 121.69(L)×106.68(H)	
Included cable length	-	
Connector	24-pin Ribbon Connector 555139-1 [AMP] or equivalent	24-pin Ribbon Connector 555139-1 [AMP]
Options	-	
Software	-	
Accessories	CN-GP/C	
Cables / Connectors	PCN-T02, PCN-T04	

*1: For more detailed information, please see page M-02.

Note:

Standard GPIB Communication

Please see page P-01 for supported software.

Media Converter

GPIB Communication Media Converter

GPIB ↔ Ethernet (Wire LAN)
RP-GPIB(FIT)GY



AC Adapter

- Provides protocol conversion from GPIB (IEEE-488.1/IEEE-488.2) communication to Ethernet.
- With the included drivers installed on a Windows environment PC, devices can be remotely controlled as easy as if they were local.
- Supported operating systems: Windows XP, 2000, Me, 98SE, 98

Options

GPIB	
Standard	IEEE-488.1, IEEE-488.2
Mode	Master mode only
Number of Channels	1
Speed (Max.)	Transmission: 18Kbyte/sec Reception: 10Kbyte/sec
Data type	8 parallel lines, 3 handshake lines
Signal Logic	Negative Logic: <Low Level> 0.8V or less, <High level> 2.0V or more
Wire LAN	
Ethernet Standard	IEEE802.3
Data Speed	10Mbps
Access Method	CSMA/CD
Transmission Format	Half Duplex / Full Duplex
Available Ports	1 (10BASE-T)
Power Supply	5VDC±5% (using attached AC Adapter)
Power Consumption (Max.)	0.6A
Dimensions (mm)	50.4(W)×64.7(D)×94.0(H) (Exclusive of protrusions)
Weight	190g

- Box-PCs
- Panel-PCs
- Flat Panel Displays
- Silicon Disk Drives
- Option
- Box PCs & Panel PCs with Windows CE
- Single Board Computer
- Chassis / Backplane
- Analog I/O
- Digital I/O
- Counter & Motion Controller
- Serial Communication
- GPIB Communication**
- Remote I/O
- Expansion Unit / Bus Adapter
- Software
- Accessories & Cables
- Distributed Monitor & Control Network: F&IT
- Multi-Programmable Display
- Wireless LAN
- Remote Monitoring Solution
- Service & Products

ISA	Model	IEEE-488.2 GPIB Interface GP-IB(PC)L
SPECIFICATIONS		
Interface type	IEEE488.1, IEEE488.2	
Channels	1	
Speed	<DMA mode> 400Kbyte/sec (Max.)	
Data type	8 parallel lines, 3 handshake lines	
Signal Logic	Negative logic: <Low level> 0.8V or less <High level> 2.0V or more	
DMA Channels	CH1~CH3 (software selectable)	
Controller chip	CONTEC original FPGA (μPD7210C compatible)	
Interrupts	1 (software selectable)	
I/O address	Any of 32-byte boundary	
Wiring Distance	4m (Max.)	
Total cable length	20m (Max.)	
Connectable devices	15 (Max.)	
Power consumption (Max.)	5VDC 350mA	
Connector	555139-2 [AMP] or equivalent	
Bus / Dimensions (mm)	ISA AT Bus / 163.0(L)×107.0(H)	
Options	Software	API-PAC(W32)
	Accessories	CN-GP/C
	Cables / Connectors	PCN-T02, PCN-T04
CE marking	○	

M-08

- Lineup
- Accessories & Cables
- High-Performance F series
- PCI Express
- PCI
- PC Card
- USB
- Compact PCI
- Standard
- PCI
- Media Converter
- ISA