Industrial Automation Products

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

Card

Bus

Compact

PC



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

Product supports Cardbus that is a

Product is Compact PCI - compliant

and can be used in the compute

equipped with Compact PCI 3U

expansion slot.

32-bit PC card standard bus.



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



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).

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

Timer

Bus

Maste

XX byte/s



Bus

Analyzer

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.

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

Cable connection

Maximum transfer speed.

time monitoring in Windows.

Built-in application timer provides precise

Bus master transfer allows the transfer of

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

GPIB standard limits the number of cables and cable length.

- 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)





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.

Product Lineup					Box-PCs
You can choose from a variety of	models according to	our desired bus.	Pag	e	Panel-PCs
	oyte/sec Timer	Bus Bus Analyser	GPIB-F-LPE	M -03	Flat Panel Displays Silicon Disk
Express Profile	Syte/Sec	Master	GPIB-FL-LPE	M -03	Drives Option
1.5М	oyte/sec Timer	Bus Bus Analyser	GP-IB(PCI)F	M -04	Box PCs &Panel PCswith
		Master	GP-IB(PCI)FL	M -04	Windows CE Single Board Computer
	oyte/sec	FIFO Bus Memory Analyser	GP-IB(PCI)	M -07	Chassis / Backplane
120K	byte/sec Timer		GP-IB(PCI)L	M -07	Analog I/O
Low	ovte/sec Timer	Bus Bus Analyser	GP-IB(LPCI)F	M -04	Digital I/O Counter &
Profile	oyte/sec Timer	Master	GP-IB(LPCI)FL	M -04	Motion Controller Serial
Card	oyte/sec Timer	Bus Bus Analyser	GP-IB(CB)F	M -05	Communication GPIB Communication
Bus		Master	GP-IB(CB)FL	M -05	Remote I/O
	byte/sec		GP-IB(USB)FL	M -06	Expansion Unit / Bus Adapter
Compact					Software
	oyte/sec Timer	Bus Bus Master Analyser	GP-IB(CPCI)F	M -06	Accessories & Cables
					Distributed Monitor & Control Network: F&eIT
Media Transmissi	on: 18Kbyte/sec	Wire LAN	RP-GPIB(FIT)GY	M -08	Multi-Programmable Display
Media Transmissi Converter	n: 10Kbyte/sec	Convert		M-00	Wireless LAN
			ISA	M -08	Remote Monitoring Solution
			L		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	Compact PCI	: GP-IB(CPCI)F
PCI	: GP-IB(LPCI)F, GP-IB(LPCI)FL,	CardBus	: GP-IB(CB)F, GP-IB(CB)FL
	GP-IB(PCI)F, GP-IB(PCI)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.

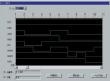
3. 2Kbyte FIFO for both transmission and reception

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 longterm 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).

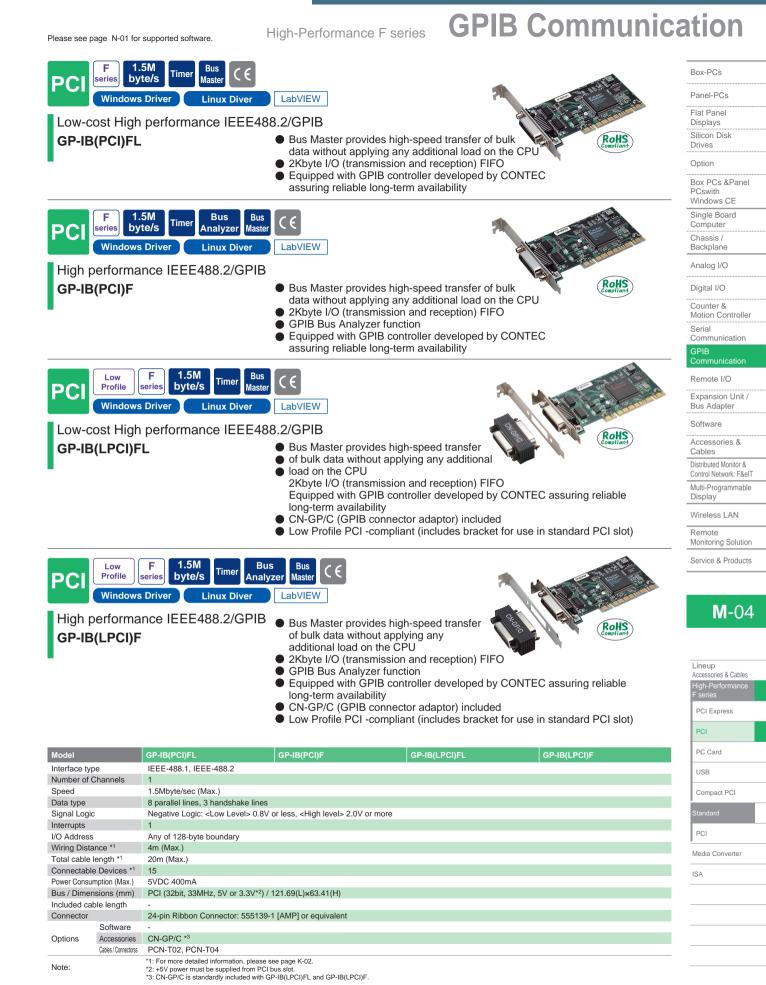
8. Line monitoring

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	

High-Performance F series

Box-PCs	PCI	Low F 1.5M byte/s Timer Bus Master
Panel-PCs	Express	Windows Driver Linux Diver LabVIEW
Flat Panel Displays Silicon Disk Drives	Low-cost Hig GPIB-FL-LF	gh performance IEEE488.2/GPIB
Option		 Bus Master provides high-speed transfer of bulk data without applying any additional load on
Box PCs &Panel PCswith Windows CE		the CPU • 2Kbyte I/O (transmission and reception) FIFO • Environment of the CPU soon to be RoHS-compliant
Single Board Computer		 Equipped with GPIB controller developed by CONTEC assuring reliable long-term availability
Chassis / Backplane		 CN-GP/C (GPIB connector adaptor) included Low Profile PCI -compliant (includes bracket for
Analog I/O		use in standard PCI slot)
Digital I/O Counter &	PCI	Low F 1.5M Timer Bus Bus
Motion Controller Serial	Express	Profile series byte/s Inner Analyzer Windows Driver Linux Diver LabVIEW
Communication GPIB Communication	High perform	nance IEEE488.2/GPIB
Remote I/O	GPIB-F-LPE	 Bus Master provides high-speed transfer of bulk
Expansion Unit / Bus Adapter	-	data without applying any additional load on the
Software		 2Kbyte I/O (transmission and reception) FIFO GPIB Bus Analyzer function
Accessories & Cables		Equipped with GPIB controller developed by CONTEC
Distributed Monitor & Control Network: F&eIT		assuring reliable long-term availability CN-GP/C (GPIB connector adaptor) included
Multi-Programmable Display		 Low Profile PCI -compliant (includes bracket for use in standard PCI slot)
Wireless LAN Remote		
Monitoring Solution		
Service & Products		
M -03		
Lineup Accessories & Cables High-Performance F series		
PCI Express		
PCI PC Card	Model	GPIB-FL-LPE GPIB-F-LPE
USB	Interface type Number of Channels	IEEE-488.1, IEEE-488.2
Compact PCI	Speed Data type	1.5Mbyte/sec (Max.) 8 parallel lines, 3 handshake lines
Standard	Signal Logic Interrupts	Negative Logic: <low level=""> 0.8V or less, <high level=""> 2.0V or more 1 Any of 420 bits boundary</high></low>
PCI	I/O Address Wiring Distance *1	Any of 128-byte boundary 4 m (Max.) 20m (Max.)
Media Converter	Total cable length *1 Connectable Devices	
ISA	Power Consumption (Max Bus / Dimensions (mr Included cable length	n) PCI Express Base Specification Rev. 1.0a ×1 / 121.69(L)×67.90(H)
	Connector Software	
	Options Accessori Cables / Connec	
	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.



As shown on the side of product's images, RoHS compliant (2015) is a CONTEC original marking for RoHS-compliant products.

Note:

Global Portal : www.contec.com

High-Performance F series

Box-PCs		.5M Timer Bus (CE
Panel-PCs	Bus Windows	
Flat Panel	_	
Displays Silicon Disk	-	n performance IEEE488.2/GPIB
Drives	GP-IB(CB)FL	● IEEE-488.1 / IEEE-488.2 - compliant
Option		 1.5Mbyte/sec transmission speed (max) Bus Master provides high-speed transfer of bulk data
Box PCs &Panel		without applying any additional load on the CPU Soon to be RoHS-complian
PCswith		 2Kbyte I/O (transmission and reception) FIFO
Windows CE Single Board		 Equipped with GPIB controller developed by CONTEC
Computer		assuring reliable long-term availability
Chassis / Backplane	Const F 1 .	.5M Bus Bus C C
Analog I/O	Card series by	yte/s Timer Bus Bus Master C C
Digital I/O	Bus Windows	s Driver Linux Diver LabVIEW
Counter &		ance IEEE488.2/GPIB • IEEE-488.1 / IEEE-488.2 -compliant • 1.5Mbyte/sec transmission speed (max)
Motion Controller Serial	GP-IB(CB)F	Bus Master provides high-speed transfer of bulk data
Communication	•	without applying any additional load on the CPU
GPIB Communication		2Kbyte I/O (transmission and reception) FIFO CPIR Buc Applyzor function
Remote I/O		 GPIB Bus Analyzer function Equipped with GPIB controller developed by CONTEC
Expansion Unit /		assuring reliable long-term availability
Bus Adapter		
Software		
Accessories & Cables		
Distributed Monitor &		
Control Network: F&eIT Multi-Programmable		
Display		
Wireless LAN		
Remote Monitoring Solution		
Service & Products		
M -05		
W-05		
Lineup Accessories & Cables		
High-Performance		
F series		
PCI Express		
PCI		
PC Card	Model	GP-IB(CB)F GP-IB(CB)FL
USB	Interface type Number of Channels	IEEE-488.1, IEEE-488.2 1
	Speed	1.5Mbyte/sec (Max.)
Compact PCI	Data type Signal Logic	8 parallel lines, 3 handshake lines Negative Logic: <low level=""> 0.8V or less, <high level=""> 2.0V or more</high></low>
Standard	Interrupts	1
PCI	Wiring Distance *1	Any of 128-byte boundary
Media Converter	Total cable length *1 Connectable Devices *1	4m (Max.) 20m (Max.) *2
	Connectable Devices	15
ISA	Power Consumption (Max.) Bus / Dimensions (mm)	5VDC 400mA PC Card Standard CardBus / TYPE II
	Included cable length	2.0m
	Connector	24-pin Ribbon Connector: RC40-24RR [HIROSE] or equivalent
	Software	-
	Options Accessories	
	Cables / Connectorss	*1: For more detailed information, please see page K-02.
	Note:	*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.

High-Performance F series GPIB Communication



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

Standard

Parale-PCs Provided With General Sector Parale-PCs IFEE 488.2 / GPIB Displays IEEE 488.2 / GPIB Sindon Disk IEEE 488.2 / GPIB Option IEEE 488.1 / IEEE 488.2 - compliant Single Board IEEE 488.1 / IEEE 488.2 - compliant Computer Labyread Single Board Image: Single Board Computer Labyread Diglay Image: Single Board Computer Labyread Single Board Image: Single Board Computer Labyread Diglay Image: Single Board Computer Labyread Received in Diglay Image: Single Board		0011111	unioation	Standard	
	Box-PCs Panel-PCs Flat Panel Displays Silicon Disk Drives	PCI Memory byt Windows IEEE488.2 / G	e/sec Analyzer CC s Driver LabVIEW		
Taglar 10 Taglar 10 Series	Box PCs &Panel PCswith Windows CE Single Board Computer Chassis / Backplane			 IEEE-488.1 / IEEE-488.2 GPIB Bus Analyzer funct of API-PAC(W32) Equipped with GPIB con 	2 - compliant tion can monitor bus line data Requires use
Expansion Unit / iso Adapting Selections is account of the selections is account of the selections is account of the selections is account of the selection is account of the selecti	Digital I/O Counter & Motion Controller Serial Communication SPIB Communication	PCI byte/sec Windows	Driver LabVIEW		
Remote Menitoring Solution Service & Products MI-O7 Lineup Accessories & Cables PCI Model GP-IB(PC)) GP-IB(PC)) PCI Express PCI PCI Card Interface type IEEE-488.1, IEEE-488.2 Number of Channels USB Speed Signal Logic Begative Logic: PCI Express PCI Card Interface type IEEE-488.1, IEEE-488.2 Number of Channels 1 USB Speed 1.2Mbyte/sec (Max.) Standard Interrupts 1 Vic Address Any of 12-byte boundary Nat of 32-byte boundary Vic Address Any of 14-byte boundary Any of 32-byte boundary Wring Distance am (Max.) SVDC 300mA Vow of Consumption (Max) SVDC 970mA SVDC 300mA Power Consumption (Max)	Expansion Unit / Bus Adapter Software Accessories & Cables Distributed Monitor & Control Network: F&eIT Multi-Programmable	•		 Equipped with GPIB con- long-term availability GPIB control timer enable 	troller developed by CONTEC assuring reliable
Lineup Incressores & Cables PCI Express PCI Card Interface type Interface type Interface type Speed 1.2Mbyte/sec (Max.) Speed Speed 1.2Mbyte/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 Wring Distance 4m (Max.) Connector 20m (Max.) Sourd Converter Power Consumption (Max. SVDC 970mA Bus / Dimensions (mm) PCI (32bit, 33MHz, 5V) / 121.69(L)×106.68(H) Included cable length 24-pin Ribbon Connector Spasing (Ample of Connector 24-pin Ribbon Connector Spasing (Ample of Connector 24-pin Ribbon Connector Spasing (Ample of Connector 555139-1 (AMP)</high></low>	emote onitoring Solution ervice & Products				
Model GP-IB(PCI) GP-IB(PCI)L Interface type IEEE-488.1, IEEE-488.2 Interface type Number of Channels 1 JSB Speed 1.2Mbyte/sec (Max.) Data type 8 parallel lines, 3 handshake lines Signal Logic Negative Logic: <low level=""> 0.8V ress, <high level=""> 2.0V or more Nother rupts 1 V/O Address Any of 16-byte boundary Any of 32-byte boundary Wiring Distance 4m (Max.) Total cable length 20m (Max.) SA Bus / Dimensions (mm) PCI (32bit, 33MHz, 5V) / 121.69(L)×106.68(H) Included cable length - Connector 24-pin Ribbon Connector 555139-1 [AMP] 24-pin Ribbon Connector</high></low>	ineup Iccessories & Cables High-Performance ' series				
Model GP-IB(PCI) GP-IB(PCI)L PC Card Interface type IEEE-488.1, IEEE-488.2 Number of Channels 1 Speed 1.2Mbyte/sec (Max.) Data type 8 parallel lines, 3 handshake lines Compact PCI Signal Logic Negative Logic: <low level=""> 0.8V or less, <high level=""> 2.0V or more Standard Interrupts 1 I/O Address Any of 16-byte boundary Any of 32-byte boundary Wring Distance 4m (Max.) Total cable length Total cable length 20m (Max.) 5VDC 300mA ISA Bus / Dimensions (mm) PCI (32bit, 33MHz, 5V) / 121.69(L)×106.68(H) Included cable length Included cable length - 24-pin Ribbon Connector 24-pin Ribbon Connector Standard 24-pin Ribbon Connector 55139-1 [AMP] 24-pin Ribbon Connector</high></low>					
Number of Channels 1 USB Speed 1.2Mbyte/sec (Max.) 120Kbyte/sec (Max.) Compact PCI 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 Wring Distance 4m (Max.) Total cable length 20m (Max.) Total cable length 20m (Max.) 5VDC 300mA ISA Bus / Dimensions (mm) PCI (32bit, 33MHz, 5V) / 121.69(L)×106.68(H) Included cable length Included cable length - 24-pin Ribbon Connector 555139-1 [AMP] 24-pin Ribbon Connector 555139-1 [AMP]</high></low>				GP-IB(PCI)L	
Compact PCI 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 Viring Distance 4m (Max.) Total cable length 20m (Max.) Connectable Devices 15 Power Consumption (Max) 5VDC 970mA SA Bus / Dimensions (mm) PCI (20bit 1, 20bit 1, 20bit 1, 20bit 2, 20bit 1, 2</high></low>		Number of Channels	1	120Khuto/occ /Mary)	
Standard 1 Negative Edgit. *Low Edgits 0.5 v of ness, *Right evels 2.0 v of node Standard Interrupts 1 I/O Address Any of 16-byte boundary Any of 32-byte boundary Viring Distance 4m (Max.) Total cable length 20m (Max.) Media Converter Connectable Devices 15 SA Bus / Dimensions (mm) PCI (32bit, 33MHz, 5V) / 121.69(L)x106.68(H) Included cable length - Connector 24-pin Ribbon Connector 555139-1 [AMP] or equivalent			,	IZUNDYIE/SEC (IVIAX.)	
I/O Address Any of 16-byte boundary Any of 32-byte boundary Viring Distance 4m (Max.) Total cable length 20m (Max.) Total cable length 20m (Max.) Power Consumption (Max.) 5VDC 300mA SA 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	· .			or less, <high level=""> 2.0V or more</high>	
Total cable length 20m (Max.) Media Converter Connectable Devices 15 Power Consumption (Max.) 5VDC 970mA 5VDC 300mA SA Bus / Dimensions (mm) PCI (32bit, 33MHz, 5V) / 121.69(L)x106.68(H) Included cable length - Connector 24-pin Ribbon Connector 555139-1 [AMP] or equivalent	Standard	I/O Address		Any of 32-byte boundary	
Media Converter Connectable Devices 15 Power Consumption (Max.) 5VDC 970mA 5VDC 300mA SA 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	PCI	-			
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 555139-1 [AMP]	Media Converter				
Included cable length - Connector 24-pin Ribbon Connector 555139-1 [AMP] or equivalent 555139-1 [AMP]		Power Consumption (Max.)	5VDC 970mA		
Connector 24-pin Ribbon Connector 24-pin Ribbon Connector 555139-1 [AMP] or equivalent 555139-1 [AMP]	SA			<106.68(H)	
555139-1 [AMP] or equivalent 555139-1 [AMP]			24-pin Ribbon Connector		
Software -		_		000139-1 [AIVIP]	
		Software	-		

Note:

Options

Cables /

Connectors

Accessories CN-GP/C

PCN-T02, PCN-T04

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

Please see page P-01 for supported software.

Standard GPIB Communication

Media Converter

AC Adapter

2000, Me, 98SE, 98

ISA

GPIB Communication Media Converter

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

Supported operating systems: Windows XP,

controlled as easy as if they were local.

GPIB⇔Ethernet (Wire LAN) **RP-GPIB(FIT)GY**



C€

Options

options				
GPIB				
	Standard	IEEE-488.1, IEEE-488.2		
Mode Number of Channels		Master mode only		
		1		
		Transmission: 18Kbyte/sec		
	Speed (Max.)	Reception: 10Kbyte/sec		
	Data type	8 parallel lines, 3 handshake lines		
		Negative Logic:		
	Signal Logic	<low level=""> 0.8V or less,</low>		
		<high level=""> 2.0V or more</high>		
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)		
We	eight	190g		

Box-PCs Panel-PCs Flat Panel Displays

Silicon Disk Drives Option Box PCs &Panel PCswith Windows CE Single Board Computer Chassis / Backplane Analog I/O Digital I/O Counter & Motion Controller Serial Communication GPIB

unica

Remote I/O

Expansion Unit / Bus Adapter

Software

Accessories & Cables Distributed Monitor & Control Network: F&eIT Multi-Programmable Display

ay

Wireless LAN Remote

Monitoring Solution

Service & Products

M-08

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

SPECIFICATIONS			
Interface typ	be	IEEE488.1, IEEE488.2	
Channels		1	
Speed		<dma mode=""> 400Kbyte/sec (Max.)</dma>	
Data type		8 parallel lines, 3 handshake lines	
Signal Logic		Negative logic: <low level=""> 0.8V or less <high level=""> 2.0V or more</high></low>	
DMA Channels		CH1~CH3 (software selectable)	
Controller c	hip	CONTEC original FPGA (µPD7210C compatible)	
Interrupts		1 (software selectable)	
I/O address		Any of 32-byte boundary	
Wiring Dista	ance	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 / Connectorss	PCN-T02, PCN-T04	
CE marking		0	

IEEE-488.2

GP-IB(PC)L

Model

GPIB Interface