

Digital I/O

Related Products of G series

MODEL No.	Equivalent Model	Description
GDI-128L2-PCI	PI-128L(PCI)H	128 Ch Opto-isolated Digital Input board for PCI
GDI-16(FIT)GY	DI-16(FIT)GY	16Ch 12 to 24 VDC Isolated Digital Input module for F&eIT
GDI-32(FIT)GY	DI-32(FIT)GY	32Ch 12 to 24 VDC Isolated Digital Input module for F&eIT
GDI0-0808LY-USB	DIO-0808LY-USB	8 Ch Input/ 8 Ch Output Opto-isolated USB Digital I/O terminal
GDI0-16/16(FIT)GY	DIO-16/16(FIT)GY	16 Ch 12 to 24 VDC Inputs / 16 Ch 12 to 48 VDC Outputs Digital I/O module for F&eIT
GDI0-16/16(USB)	DIO-16/16(USB)	16 Ch Input/ 16 Ch Output Opto-isolated USB Digital I/O terminal
GDI0-24DY-USB	DIO-24DY-USB	24 Ch LVTTTL Level Bi-directional USB Digital I/O terminal
GDI0-6464L2-PCI	PIO-64/64L(PCI)H	64 Ch Input/ 64 Ch Output Opto-isolated Digital I/O board for PCI
GDI0-8/8(FIT)GY	DIO-8/8(FIT)GY	8 Ch Inputs / 8 Ch Outputs (12 to 24 VDC) Digital I/O module for F&eIT
GDI0-8/8(USB)GY	DIO-8/8(USB)GY	8 Ch Inputs / 8 Ch Outputs USB Digital I/O terminal
GDO-128L2-PCI	PO-128L(PCI)H	128 Ch Opto-isolated Digital Output board for PCI
GDO-16(FIT)GY	DO-16(FIT)GY	16Ch 12 to 48 VDC Isolated Digital Output module for F&eIT
GDO-32(FIT)GY	DO-32(FIT)GY	32Ch 12 to 24 VDC Isolated Digital Output module for F&eIT
GPIO-16/16RL(PCI)H	PIO-16/16RL(PCI)H	16 Ch Input/ 16 Ch Output Negative Common Opto-Isolated Digital I/O board for PCI
GPIO-32/32RL(PCI)H	PIO-32/32RL(PCI)H	32 Ch Input/ 32 Ch Output Negative Common Opto-Isolated Digital I/O board for PCI
GPIO-32DM(PCI)	PIO-32DM(PCI)	32 Ch High speed Bi-directional Digital I/O board for PCI

Serial Communication

PCI Express 9-pin D-SUBx2 RS-232C 2ch 921.6Kbps
Windows Driver Linux Driver

2 Port RS-232C GCOM-2C-PE [COM-2C-PE]



- Functions as a standard COM port in Windows or Linux with bundled driver software
- Up to 16 boards can be added with settings of COM1~256
- 128-byte FIFO buffer (both transmission and reception) provided for each channel
- 9-pin D-type male connector



PCI Express 37-pin D-SUB RS-232C 4ch 921.6Kbps
Windows Driver Linux Driver

4 Port RS-232C GCOM-4C-PE [COM-4C-PE]



- Functions as a standard COM port in Windows or Linux with bundled driver software
- Up to 16 boards can be added with settings of COM1~256
- 128-byte FIFO buffer (both transmission and reception) provided for each channel
- 4 port 9-pin D-type connector cable bundled (GCOM-4C-PE only)



PCI Express 78-pin D-SUB RS-232C 8ch 921.6Kbps
Windows Driver Linux Driver

8 Port RS-232C GCOM-8C-PE [COM-8C-PE]



- Functions as a standard COM port in Windows or Linux with bundled driver software
- Up to 16 boards can be added with settings of COM1~256
- 128-byte FIFO buffer (both transmission and reception) provided for each channel



Model	GCOM-2C-PE	GCOM-4C-PE	GCOM-8C-PE
Interface type	RS-232C (Async.)		
Number of Channels	2ch	4ch	8ch
Speed	2~921,600bps **2		
Data type	5/6/7/8 Bit, 1/1.5/2 Stop Bit **		
Parity Check	even, odd, non-parity **		
Controller	162850 compliant (FIFO buffer: I/O 64 bytes per channel)		
Interrupts	1 **		
Wiring Distance	15m (Max.)		
Isolation type	-		
Isolation Voltage	-		
I/O Address	Occupies 32 ports		Occupies 64 ports
Power Consumption (Max.)	3.3VDC 350mA		
Bus / Dimensions (mm)	PCI Express Base Specification Rev.1.0a x1 / 121.69(L)x110.18(H)		
Included cable length	-	0.25m (GPCE37/9PS)	
Connector	9-pin male D-type: DECLJ9PAF-20L9E [JAE] or equivalent	37-pin female D-type:DCLC-J37SAF-20L9E [JAE] or equivalent	78-pin female D-type: DV11603G4 [FOXCONN] or equivalent
Software	API-PAC(W32), ACX-PAC(W32)		
Options	Accessories	GCCU-78F/25M[CCU-78F/25M]*4 GPCE37/9PS bundled, PCE37/25PS, RSC-78M/37M, CN5-D37M	GCCU-78F/25M[CCU-78F/25M]*5 PCE78/9PS, GRSS-78M[RSS-78M], PCE78/25PS, CN5-D78M
Cables/Connectors	RSS-9M/F, RSC-9F, RSS-25M/9F, RSC-25F/9F, CN5-D9F		

Notes
 *1: Software selectable speed, which can become 15~921,600bps when using the Standard COM Driver Software [COM Setup Disk] and the Driver Library [API-PAC(W32)]
 *2: The data transmission at high speed may not be performed normally owing to the environment, including the type of the connected devices and the length of the connected cables
 *3: A single interrupt signal "INTA" is output as a collection of interrupt input signals from all channels
 *4: Requires use of optional cable RSS-78M/37M
 *5: Requires use of optional cable RSS-78M

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