

Digital I/O

PCI & PCI Express

37-pin D-SUB Output 32 Non-isolated
Windows Driver Linux Driver LabVIEW

TTL-level Digital Output

GDO-32T2-PCI
[DO-32T2-PCI]
GDO-32T-PE [DO-32T-PE]

NEW

- 32 open collector output
- Driver library for Windows/Linux bundled



GDO-32T2-PCI



PCI & PCI Express

96-pin Half Pitch Output 64 Non-isolated
Windows Driver Linux Driver LabVIEW

TTL-level Digital Output

GDO-64T2-PCI
[DO-64T2-PCI]
GDO-64T-PE [DO-64T-PE]

NEW

- 64 open collector output
- Driver library for Windows/Linux bundled



GDO-64T2-PCI



PCI

96-pin D-SUB Output 64 Isolated Digital Filter Surge & Overcurrent Protection
Windows Driver Linux Driver LabVIEW

Opto-Isolated Digital Output

GDO-64L2-PCI
[PO-64L(PCI)H]

- 64 opto-isolated open collector output (35VDC, 100mA)
- Fast response time (within 200µsecs)
- Output transistor has built-in circuit protection (voltage surge, overcurrent)



GDO-64L2-PCI



PCI & PCI Express

100-pin 0.8mm Pitch Output 128 Non-isolated
Windows Driver Linux Driver LabVIEW

TTL-level Digital Output

GDO-128T2-PCI
[DO-128T2-PCI]
GDO-128T-PE [DO-128T-PE]

- 128 TTL-level output
- Fast response time (within 200nsecs)
- Driver library for Windows/Linux bundled



GDO-128T2-PCI



Model	GDO-32T2-PCI / GDO-32T-PE	GDO-64T2-PCI / GDO-64T-PE	GDO-64L2-PCI	GDO-128T2-PCI / GDO-128T-PE	
Input channels	-	-	-	-	
Output channels	32 (1 common)	64 (1 common)	64	128 (1 common)	
I/O channels	-	-	-	-	
Input specifications	Type	-	-	-	
	Signal Level	-	-	-	
	Interrupts	-	-	-	
Output specifications	Resistance	Pull-up 10kΩ (1 TTL load)	-	-	
	Type	Open Collector (Negative Logic)	Opto-Isolated Open Collector (current sinking type)	Open Collector (negative logic)	
	Rating	30VDC 40mA (per channel)	35VDC 100mA	30VDC 40mA (per channel)	
Response Time (Max.)	within 200nsec (according to Pull-up resistance)	200µsec	200 nsec		
Internal Power	-	12VDC 240mA	5VDC, Current sum of 16 Vcc pin is 2A(Max)		
Wiring Distance	1.5m (depending on wiring environment)	50m	Approx. 1.5m (according to cable)		
I/O Address	Occupies 32 ports				
Power Consumption (Max.)	5VDC 200mA / 3.3VDC 550mA	5VDC 310mA / 3.3VDC 800mA	5VDC 250mA	5VDC 500mA / 3.3VDC 1400mA	
Bus / Dimensions (mm)	PCI(32bit, 33MHz, 5Vor3.3V*)/121.69(L)x105.68(H) / PCI Express Base Specification Rev. 1.0a x1 / 121.69(L)x105.68(H)		PCI(32bit, 33MHz, 5Vor3.3V*)/ 176.41(L)x105.68(H)	PCI(32bit, 33MHz, 5Vor3.3V*)/121.69(L)x105.68(H) / PCI Express Base Specification Rev. 1.0a x1 / 121.69(L)x105.68(H)	
Connector	37pin female D-type, DCLC-J37SAF-20L9E (JAE) or equivalent	96pin female half-pitch: PCR-96LMD (HONDA Tsushin Kogyo) or equivalent	-	HDRA-E100W1L-FDT1EC-SL (HONDA Tsushin Kogyo) or equivalent	
	Software	ACX-PAC(W32)	-		
Options	Accessories	EPD-37A ^{1,2,3} , EPD-37 ^{4,2} , DTP-3A ^{4,2} , DTP-4A ^{4,2} , CM-32(PC)E ^{4,2} , DICT-37S ^{4,2} , DICT-37F ^{4,2}	EPD-96A ^{4,3,4} , EPD-96 ^{4,4} , DTP-64(PC) ^{4,4} , EPD-37A ^{4,3,4} , EPD-37 ^{4,5} , DTP-3A ^{4,5} , DTP-4A ^{4,5} , CM-32(PC)E ^{4,5} , CM-64(PC)E ^{4,4} , CCB-96 ^{4,4} , DICT-37S ^{4,5} , DICT-37F ^{4,5} , DICT-96S ^{4,4} , DICT-96F ^{4,4}	EPD-100A ^{4,6} , EPD-96A ^{4,6,7} , EPD-96 ^{4,7} , EPD-37A ^{4,6,4} , EPD-37 ^{4,6} , DTP-64(PC) ^{4,7} , DTP-3A ^{4,6} , DTP-4A ^{4,6} , CM-32(PC)E ^{4,6} , CM-64(PC)E ^{4,7} , CCB-96 ^{4,7} , DICT-37S ^{4,6} , DICT-37F ^{4,6} , DICT-96S ^{4,7} , DICT-96F ^{4,7}	
	Cables / Connectors	PCA37P-1.5, PCA37PS-0.5P/1.5P, PCB37P-1.5, PCB37PS-0.5P/1.5P, CNS-D37M	PCA96P, GPCB96PS[PCB96PS], PCB96P, PCA96PS, GPCB96WS[PCB96WS], CNS-H96F		PCA100P, PCB100PS, PCB100WS, PCB100/96PS

*1: This board requires power supply at +5 V from an expansion slot (it does not work on a machine with a +3.3V power supply only).
 *2: Requires optional cable PCB37P or PCB37PS
 *3: The screw-up terminal block is used, whose screw does not falling off
 *4: Requires optional cable PCB96P or GPCB96PS[PCB96PS]
 *5: Requires optional cable PCB100PS
 *6: Requires optional cable PCB100WS
 *7: Requires optional cable PCB100/96PS

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

Digital I/O

USB 2.0

Input 8 Output 8 Non-isolated
Windows Driver

LVTTTL-Level USB Digital I/O Terminal

GDI0-0808TY-USB
[DIO-0808TY-USB]

NEW

- 8 TTL-level inputs, 8 open collector outputs
- USB2.0/USB1.1-compliant, Bus-powered for convenience and portability
- I/O transistor has built-in zener diode for voltage surge protection
- Screw-type connectors for easy wiring

14-pin Screw-type Terminal connector (6 parts in one) CN6-Y14



USB cable included



USB 2.0

Input 16 Non-isolated
Windows Driver

LVTTTL-Level USB Digital Input Terminal

GDI-16TY-USB
[DI-16TY-USB]

NEW

- 16 TTL-level inputs
- USB2.0/USB1.1-compliant, Bus-powered for convenience and portability
- Input transistor has built-in zener diode for voltage surge protection
- Screw-type connectors for easy wiring

14-pin Screw-type Terminal connector (6 parts in one) CN6-Y14



USB cable included



USB 2.0

Output 16 Non-isolated
Windows Driver

LVTTTL-Level USB Digital Output Terminal

GDO-16TY-USB
[DO-16TY-USB]

NEW

- 16 open collector outputs
- USB2.0/USB1.1-compliant, Bus-powered for convenience and portability
- Output transistor has built-in zener diode for voltage surge protection
- Screw-type connectors for easy wiring

14-pin Screw-type Terminal connector (6 parts in one) CN6-Y14



USB cable included



Model	GDI0-0808TY-USB	GDI-16TY-USB	GDO-16TY-USB
Input channels	8 (1 common)	16 (1 common)	-
Output channels	8 (1 common)	-	16 (1 common)
I/O channels	-	-	-
Input specifications	Type	TTL-level (Negative logic)	-
	Signal Level	5VDC	-
	Interrupts	-	-
Output specifications	Resistance	10kΩ (1 TTL load)	-
	Type	Open Collector (negative logic)	Open Collector (negative logic)
	Rating	28VDC 40mA (per channel)	28VDC 40mA (per channel)
Response Time (Max.)	Input: 200nsec, Output: 200nsec (according to the Pull-up value) *1	200nsec	200nsec (according to the Pull-up value) *1
Internal Power	-	-	-
Wiring Distance	1.5m (depending on wiring environment)		
USB speed	12Mbps <Full speed>, 480Mbps <High speed> *2		
Power Consumption (Max.)	5VDC 300mA		5VDC 350mA
Dimensions (mm)	64(W)x62(D)x24(H) (exclusive of protrusions)		
Connector	14-pin (screw-terminal) plug header		
Weight (main unit)	70g (excluding the USB cable, attachment)		
Included cable Length	USB cable 1.8m		
Options	Software	ACX-PAC(W32)	
	Accessories	BRK-USB-Y	
Cables / Connectors	CN6-Y14		

*1: It is the response time of output IC.
 *2: Depending on the host PC environment (OS and USB host controller)

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