

Digital I/O

PCI Express

37-pin D-SUB | Input 16 | Output 16 | Isolated | High Voltage | Digital Filter | Non-Polar

Windows Driver | Linux Driver



High-voltage Non-polar Opto-Isolated I/O
DIO-1616RY-PE

NEW

- 16 opto-isolated input (for both current sink and current source output), 16 solid state relay output
- Supports high-voltage input range: 12 to 48VDC, output: 120VAC/VDC
- All input signals can be used as interrupts
- Digital filtering function to prevent input error caused by noise and/or chattering
- Functions, Connector pin and Signal assignments are compatible with the PCI-compliant board PIO-16/16RY(PCI)



PCI Express

37-pin D-SUB | Input 32 | Isolated | Power On Board | Digital Filter

Windows Driver | Linux Driver | LabVIEW



Opto-Isolated Digital Input with On-board 12V Power Supply
GDI-32B-PE
[DI-32B-PE]

NEW

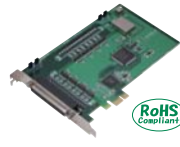
- 32 opto-isolated input (for sink current output)
- On-board battery (12VDC 240mA) to drive the input circuit photocoupler
- All input points can be used as interrupts
- Digital filtering function to prevent input error caused by noise and/or chattering
- Functions, Connector pin and Signal assignments are compatible with the PCI-compliant board PI-32B(PCI)H



PCI Express

37-pin D-SUB | Output 32 | Isolated | Power On Board | Digital Filter | Surge & Overcurrent Protection

Windows Driver | Linux Driver | LabVIEW



Opto-Isolated Digital Output with On-board 12V Power Supply
GDO-32B-PE
[DO-32B-PE]

NEW

- 32 opto-isolated open collector output (Current sinking type)
- On-board battery (12VDC 240mA) to drive the input circuit photocoupler
- Output transistor has built-in circuit protection (voltage surge, zener diode, polyswitch)
- Functions, Connector pin and Signal assignments are compatible with the PCI-compliant board PO-32B(PCI)H



Model	DIO-1616RY-PE	GDI-32B-PE	GDO-32B-PE
Input channels	16 (all available for interrupts)	32 (all available for interrupts) (1 common every 16 channels)	-
Output channels	16 (1 common)	-	16 (all available for interrupts)
Input specifications	Type	Opto-isolated (for sink current output / current source output)	Opto-isolated (for sink current output) (Negative logic)
	Signal Level	12 ~ 24VDC (±10%) or 24 ~ 48VDC (±10%)	12 ~ 24VDC (±10%)
	Interrupts	16 interrupt signals combine to one interrupt request signal as INTA	32 interrupt signals combine to one interrupt request signal as INTA
Output specifications	Resistance	3kΩ<12~24VDC>, 6kΩ<24~48VDC>	4.7kΩ
	Type	Solid state Relay	Opto-Isolated Open Collector (Current sinking type) (Negative logic)
	Rating	120V AC/DC 100mA	35VDC 100mA (per channel)
Response Time (Max.)	Input: 200µsec, Output: 1.0msec	within 200µsec	-
Internal Power	-	12VDC 240mA	-
Wiring Distance	50m (depending on wiring environment)		
I/O Address	Occupies 32 ports		
Power Consumption (Max.)	5VDC 550mA	Internal: 3.3VDC 350mA, 12VDC 350mA; External: 3.3VDC 350mA	Internal: 3.3VDC 380mA, 12VDC 350mA; External: 3.3VDC 380mA
Bus / Dimensions (mm)	PCI Express Base Specification Rev. 1.0a x1 / 169.33(L)x110.18(H)		
Connector	37pin female D-type, DCLC-J37SAF-20L9E [JAE] or equivalent		
Options	Software	ACX-PAC(W32)	
	Accessories	EPD-37A ^{1,2} , EPD-37 ¹ , DTP-3A ¹ , DTP-4A ¹ , CM-32(PO)E ¹ , DICT-37S ¹ , DICT-37E ¹	
	Cables / Connectors	PCB37P, PCB37PS, PCA37P, PCA37PS, CN5-D37M	
Notes	¹ : Requires use of optional cable PCB37P or PCB37PS. ² : The screw-up terminal block is used, whose screw does not falling off.		

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

Digital I/O

PCI Express

37-pin D-SUB | Output 16 | Isolated | High Voltage | Non polarity

Windows Driver | Linux Driver



Reed Relay Output Board
RRY-16C-PE

NEW

- 16 individual common reed relay outputs
- Output ratings: up to 125VAC/30VDC - 2A / channel
- Functions, Connector pin and Signal assignments are compatible with the PCI-compliant board GRRY-16C2-PCI & RRY-16C(PCI)H



PCI Express

37-pin D-SUB | Output 32 | Isolated | High Voltage | Non polarity

Windows Driver | Linux Driver



Reed Relay Output Board
RRY-32-PE

NEW

- 32 reed relay outputs
- Output ratings: up to 100VAC/VDC and 500mA per channel, 1A per common (max) for total of 8 points and 10VA (10W)
- Functions, Connector pin and Signal assignments are compatible with the PCI-compliant board RRY-32(PCI)H



Model	RRY-16C-PE	RRY-32-PE	
Input channels	-	-	
Output channels	16	32	
I/O channels	-	-	
Input specifications	Type	-	
	Signal Level	-	
	Interrupts	-	
Resistance	Type	Reed Relay Contact (1-make contact)	
	Rating	-	
	Maximum Power	125V(Max.) ^{**2}	100V(DC)
Output specifications	Human Switching Current	2A	0.5A
	Contact Resistance	30mΩ or less	150mΩ or less
	Life Expectancy	Min. 20 million times (Switching Freq. 180 times/min)	Min. 200 million times
Response Time (Max.)	7msec	1msec	
Internal Power	-	-	
Wiring Distance	-	-	
I/O Address	Occupies 32 ports		
Power Consumption (Max.)	3.3VDC 1100mA	3.3VDC 900mA	
Bus / Dimensions (mm)	PCI Express Base Specification Rev. 1.0a x1 / 121.69(L)x110.18(H)	PCI Express Base Specification Rev. 1.0a x1 / 169.33(L)x110.18(H)	
Connector	37pin female D-type, DCLC-J37SAF-20L9E [JAE] or equivalent		
Options	Software	ACX-PAC(W32)	
	Accessories	EPD-37A ^{1,2} , EPD-37 ¹ , DTP-3A ¹ , DTP-4A ¹ , DICT-37S ¹ , DICT-37E ¹	
	Cables/Connectors	PCA37P, PCB37P, PCA37PS, PCB37PS, CN5-D37M	
Notes	¹ : Requires optional cable PCB37P or PCB37PS. ² : The screw-up terminal block is used, whose screw does not falling off.		

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