

Wiring distance may vary depending on the product specifications and application environment. Please choose an appropriate cable.

Opto-Isolated TTL Digital I/O with On-Board 5V Power Supply PIO-16/16TB(PCI)

PCI Input 16 Output 16 Isolated Power on board CE



Includes API-PAC(W32) [API Function Library]

SPECIFICATIONS

Input channels	16
Output channels	16
I/O Circuit	
Signal level	5VDC
Internal power	5VDC 400mA
Input specifications	
Type	Opto-Isolated TTL (negative logic)
Interrupts	4 input signals combine to one interrupt request signal as INTA
Resistance	1.1kΩ
Output specifications	
Type	Opto-Isolated TTL (Negative Logic)
Rating	5VDC 6.4mA
Response time	1μsec (max)
Wiring distance	50m (max)

FEATURES

- ★ 16 points opto-isolated TTL digital input, 16 points output
- ★ Features high-speed photo coupler with 1μsec (max) response time
- Connector pin assignment compatible with PIO-16/16TB(PCI)

I/O address	Any 32-byte boundary
Power consumption	External: 5VDC 500mA (max) On-board: 5VDC 1150mA (max)
PCI bus / Dimensions (mm)	32bit, 33MHz, 5V / 176.41(L) x 106.68(H)
Connector	37-pin female D-type DCL-J37SAF-20L9[JAE] or equivalent
Options	
Software	ACX-PAC(W32)BP, ACX-PAC(W32)AP,
Accessories	EPD-37A*1, EPD-37*1, DTP-3(PC), DTP-4(PC), CM-32(PC)E *1
Cables / Connectors	PCA37P, PCB37P, PCA37PS, PCB37PS, CN5-D37M

*1: Requires use of optional cable PCB37P or PCB37PS

High-voltage Non-polar Opto-Isolated I/O PIO-16/16RY(PCI)

PCI Input 16 Output 16 Isolated CE



Includes API-PAC(W32) [API Function Library]

SPECIFICATIONS

Input channels	16
Output channels	16
I/O Circuit	
Signal level	12~24VDC, 24~48VDC Each point can be set.
Internal power	-
Input specifications	
Type	Opto-Isolated (for high sink current output)
Interrupts	16 input signals combine to one interrupt request signal as INTA
Resistance	3kΩ<12~24VDC>, 6kΩ<24~48VDC>
Response time	200 sec (max)
Output specifications	
Type	Opto-isolated collector (current sink type)
Rating	120VAC/VDC 100mA
Response time	1.0msec (max)

FEATURES

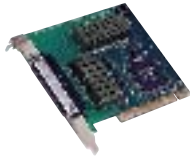
- ★ 16 points Photo coupler isolated input, 16 points semiconductor relay output
- ★ Input/output supports both current sink and current source output
- ★ Supports high-voltage input range - 12 to 48VDC / output - 120VAC/VDC.
- ★ All input signals can be used as interrupts
- Digital filtering function to prevent input error caused by noise and/or chattering

I/O address	Any 32-byte boundary
Power consumption	+5VDC 400mA (max)
PCI bus / Dimensions (mm)	32bit, 33MHz, 5V or 3.3V*2 / 176.41(L) x 105.68(H)
Connector	37-pin female D-type DCL-J37SAF-20L9[JAE] or equivalent
Options	
Software	ACX-PAC(W32)BP, ACX-PAC(W32)AP,
Accessories	EPD-37A*1, EPD-37*1, DTP-3(PC), DTP-4(PC), CM-32(PC)E *1
Cables / Connectors	PCA37P, PCB37P, PCA37PS, PCB37PS, CN5-D37M

*1: Requires use of optional cable PCB37P or PCB37PS
*2: +5V power must be supplied from PCI bus slot.

Reed Relay Output Board RRY-16C(PCI)

PCI Output 16 Isolated CE



Includes API-PAC(W32) [API Function Library]

SPECIFICATIONS

Input channels	-
Output channels	16
Output type	Reed Relay (1-make contact)
Relay Contact specifications	
Power	125V(AC), 30V(DC) (max)
Switching current	2A (max)
Contact resistance	30mΩ or less
Switching time	Within 7msec
Life expectancy	Min. 20 million times (Switching Freq. 180 times/min)
I/O address	Occupies 4 ports
Power consumption	5VDC 700mA (max)

FEATURES

- ★ 16 independent reed relay outputs
- Output ratings can handle up to 125VAC/30VDC - 2A / channel

PCI bus / Dimensions (mm)	32bit, 33MHz, 5V / 121.69(L) x 106.68(H)
Connector	37-pin female D-type DCL-J37SAF-20L9[JAE] or equivalent
Options	
Software	ACX-PAC(W32)BP, ACX-PAC(W32)AP,
Accessories	EPD-37A*1, EPD-37*1, DTP-3(PC),DTP-4(PC)
Cables / Connectors	PCA37P, PCB37P, CN5-D37M

*1: Requires use of optional cable PCB37P

Reed Relay Output Board RRY-32(PCI)

PCI Output 32 Isolated CE



Includes API-PAC(W32) [API Function Library]

SPECIFICATIONS

Input channels	-
Output channels	32
Output type	Reed Relay (1-make contact)
Relay Contact specifications	
Power	10VA(AC), 10W(DC) (max)
Voltage	100V(AC), 100V(DC) (max)
Switching current	0.5A (max)
Contact resistance	100mΩ or less
Switching time	Within 1msec
Life expectancy	Min. 200 million times
I/O address	Occupies 4 ports

FEATURES

- ★ 32 reed relay outputs
- ★ Output ratings can handle up to 100VAC/VDC and 500mA per channel, 1A per common (max) for total of 8 points and 10VA (10W)
- Connector pin assignment is compatible with RRY-32(PCI)

Power consumption	+5VDC 1200mA (max)
PCI bus / Dimensions (mm)	32bit, 33MHz, 5V / 176.41(L) x 106.68(H)
Connector	37-pin female D-type DCL-J37SAF-20L9[JAE] or equivalent
Options	
Software	ACX-PAC(W32)BP, ACX-PAC(W32)AP,
Accessories	EPD-37A*1, EPD-37*1, DTP-3(PC),DTP-4(PC)
Cables / Connectors	PCA37P, PCB37P, PCA37PS, PCB37PS, CN5-D37M

*1: Requires use of optional cable PCB37P or PCB37PS