

[DIGITAL I/O] Low Profile PCI / PCI

For options, please see Page J-02 (Accessories & Cables) and Page I-01 (Software).
See page 2-1 for PCI bus specifications.

Standard PCI/Low Profile PCI Opto-Isolated Digital I/O PIO-16/16L(LPCI)H

NEW PCI Input 16 Output 16 Isolated



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

SPECIFICATIONS

Input channels	16
Output channels	16
I/O Circuit	
Signal level	12~24VDC
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	4.7kΩ
Output specifications	
Type	Opto-Isolated Open Collector (Current sinking type)
Rating	35VDC 100mA
Response time	200μsec (max)
Wiring distance	50m (max)

FEATURES

- ★ Low Profile PCI-compliant (Standard-size bracket included)
- ★ 16 points opto-isolated input , 16 points opto-insolated open collector output
- ★ Fast response time (within 200μsecs.)
- ★ All input signals can be used as interrupts
- Output transistor has built-in circuit protection (voltage surge, overcurrent)

I/O address	Any 32-byte boundary
Power consumption	+5VDC 100mA (max)
PCI bus /	32bit, 33MHz, 5V or 3.3V*4 /
Dimensions (mm)	121.69(L) x 63.41.68(H)
Connector	50-Pin Mini-Ribbon Connector 10250-52A2JL[3M] or equivalent
Options	
Software	ACX-PAC(W32)BP, ACX-PAC(W32)AP,
Accessories	EPD-50A*1, EPD-37A*2, EPD-37*2, DTP-3(PC)*3, DTP-4(PC)*3, CM-32(PC)E *2
Cables / Connectors	PCA50PS, PCB50PS, PCE50/37PS-0.5P

*1: Requires use of optional cable PCB50PS
*2: Requires use of optional cable PCE50/37PS-0.5P and PCB37P or PCB37PS
*3: Requires use of optional cable PCE50/37PS-0.5P
*4: +5V power must be supplied from PCI bus slot.

Opto-Isolated Digital I/O PIO-16/16L(LPCI)H

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
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	4.7kΩ
Output specifications	
Type	Opto-Isolated Open Collector (Current sinking type)
Rating	35VDC 100mA
Response time	200μsec (max)
Wiring distance	50m (max)

FEATURES

- ★ 16 points opto-isolated input , 16 points opto-insolated open collector output
- ★ Fast response time (within 200μsecs.) / Power saving design
- ★ All input signals can be used as interrupts
- Output transistor has built-in circuit protection (voltage surge, overcurrent)

I/O address	Any 32-byte boundary
Power consumption	+5VDC 200mA (max)
PCI bus /	32bit, 33MHz, 5V or 3.3V*2 /
Dimensions (mm)	121.69(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.

Opto-Isolated Digital I/O PIO-16/16L(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
Internal power	-
Input specifications	
Type	Opto-Isolated (for high sink current)
Interrupts	4 input signals combine to one interrupt request signal as INTA
Resistance	3kΩ
Output specifications	
Type	Opto-Isolated Open Collector (Current sinking type)
Rating	35VDC 100mA
Response time	1msec (max)

FEATURES

- ★ 16 points opto-isolated input , 16 points opto-insolated open collector output
- ★ Digital filter and interrupt trigger edge can be set via software
- Connector pin assignment is compatible with PIO-16/16L(PC)V

Wiring distance	50m (max)
I/O address	Any 32-byte boundary
Power consumption	+5VDC 250mA (max)
PCI bus /	32bit, 33MHz, 5V
Dimensions (mm)	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

Opto-Isolated Digital I/O PIO-32/32L(PCI)H

PCI Input 32 Output 32 Isolated CE



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

SPECIFICATIONS

Input channels	32
Output channels	32
I/O Circuit	
Signal level	12~24VDC
Internal power	-
Input specifications	
Type	Opto-Isolated (for high sink current output)
Interrupts	32 input signals combine to one interrupt request signal as INTA
Resistance	4.7kΩ
Output specifications	
Type	Opto-Isolated Open Collector (Current sinking type)
Rating	35VDC 100mA
Response time	200μsec (max)
Wiring distance	50m (max)

FEATURES

- ★ 32 points opto-isolated input , 32 points opto-insolated open collector output
- ★ Fast response time (within 200μsecs.) / Power saving design
- ★ All input signals can be used as interrupts
- Output transistor has built-in circuit protection (voltage surge, overcurrent)

I/O address	Any 32-byte boundary
Power consumption	+5VDC 250mA (max)
PCI bus /	32bit, 33MHz, 5V or 3.3V*4 /
Dimensions (mm)	176.41(L) x 105.68(H)
Connector	PCR-E96LMD [HONDA Tsushin Kogyo] or equivalent
Options	
Software	ACX-PAC(W32)BP, ACX-PAC(W32)AP
Accessories	EPD-96*1, DTP-64(PC)*1, CM-64(PC)E *1, EPD-37A *2 EPD-37*2, CM-32(PC)E *2, CCB-96 *3
Cables / Connectors	PCA96P, PCB96P, PCB96W, PCA96PS, PCB96PS, PCB96WS, CN5-H96F

*1: Requires use of optional cable PCB96P or PCB96PS
*2: Requires use of optional cable PCB96W or PCB96WS
*3: Requires use of optional cable PCB96P or PCB96PS and 37-pin D-SUB cable
*4: +5V power must be supplied from PCI bus slot.