

[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 the PCI bus specifications.

Standard PCI/Low Profile PCI Opto-Isolated Digital I/O with On-Board 12V Power Supply
PIO-16/16B(LPCI)H

NEW PCI Input 16 Output 16 Isolated Power on board



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

SPECIFICATIONS

Input channels	16
Output channels	16
I/O Circuit	
Signal level	12~24VDC
Internal power	12VDC 125mA
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)

- FEATURES**
- ★ Low Profile PCI-compliant (Standard-size bracket included)
 - ★ On-board battery (12VDC 240mA) to drive the input/output circuit photocoupler
 - ★ Fast response time (within 200 μsecs.)
 - ★ All input signals can be used as interrupts
 - Output transistor has built-in circuit protection (voltage surge, overcurrent)

Wiring distance	50m (max)
I/O address	Any 32-byte boundary
Power consumption	External: 5VDC 100mA (max), On-board: 5VDC 600mA (max)
PCI bus / Dimensions (mm)	32bit, 33MHz, 5V or 3.3V*2 / 121.69(L) x 63.41(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.

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I/O Circuit	
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Internal power	12VDC 240mA
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)

- FEATURES**
- ★ On-board battery (12VDC 240mA) to drive the input/output circuit photocoupler
 - ★ Fast response time (within 200μsecs.)
 - ★ All input signals can be used as interrupts
 - Output transistor has built-in circuit protection (voltage surge, overcurrent)

Wiring distance	50m (max)
I/O address	Any 32-byte boundary
Power consumption	External: 5VDC 300mA (max), On-board: 5VDC 1200mA (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	DTP-3(PC), DTP-4(PC), EPD-37A*1, EPD-37*1, 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 with On-Board 12V Power Supply
PIO-16/16B(PCI)

PCI Input 16 Output 16 Isolated Power on board



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

SPECIFICATIONS

Input channels	16
Output channels	16
I/O Circuit	
Signal level	12~24VDC
Internal power	12VDC 240mA
Input specifications	
Type	Opto-Isolated (for high sink current output)
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**
- ★ On-board battery (12VDC 240mA) to drive the input/output circuit photocoupler
 - ★ Digital filter and interrupt trigger edge can be set via software
 - Connector pin assignment compatible with PIO-16/16B(PC)H

Wiring distance	50m (max)
I/O address	Any 32-byte boundary
Power consumption	External: 5VDC 300mA (max), On-board: 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	DTP-3(PC), DTP-4(PC), EPD-37A*1, EPD-37*1, 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 with On-Board 12V Power Supply
PIO-16/16B(PCI)

PCI Input 32 Output 32 Isolated Power on board CE



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

SPECIFICATIONS

Input channels	32
Output channels	32
I/O Circuit	
Signal level	12~24VDC
Internal power	12VDC 240mA
Input specifications	
Type	Opto-Isolated (for high sink current output)
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**
- ★ On-board battery (12VDC 240mA) to drive the input/output circuit photocoupler
 - Digital filter and interrupt trigger edge can be set via software

Wiring distance	50m (max)
I/O address	Any 32-byte boundary
Power consumption	External: 5VDC 300mA (max) On-board: 5VDC 1300mA (max)
PCI bus / Dimensions (mm)	32bit, 33MHz, 5V / 176.41(L) x 106.68(H)
Connector	PCR-E96LMD [HONDA Tsushin Kogyo] or equivalent
Options	
Software	ACX-PAC(W32)BP, ACX-PAC(W32)AP,
Accessories	DTP-3(PC)*1, DTP-4(PC)*1, DTP-64(PC)*2, EPD-96*2, CCB-96*2, CM-32(PC)*1, CM-32(PC)E*1, CM-64(PC)E*2
Cables / Connectors	PCA37P, PCB37P, PCA37PS, PCB37PS, CN5-D37M

*1: Requires use of optional cable PCB37P or PCB37PS