

Opto-Isolated Digital I/O Board

PIO-64/64L(PCI)

NEW



PCI Input 64 Output 64 Isolated

API function library attachment [API-PAC(W32)]

FEATURES

- ★ 128 inputs on PCI short-size board (occupies 1 slot)
- ★ High-speed response within 200 μ sec / low power consumption
- ★ 16 interrupt input with Digital filter function
- ★ The protection (the surge voltage, over-current) at output circuit
- Optional conversion cables from 100-pin to 96-pin half pitch

SPECIFICATIONS

| | |
|----------------------|---|
| Inputs channels | 64 |
| Output channels | 64 |
| I/O Circuit | |
| Signal level | +12 - 24VDC |
| Internal power | - |
| Input specification | |
| Input type | Opto-Isolated Input (for high sink current output) (Negative logic) |
| Interrupt | Combine 16 interrupt signal lines to one interrupt request signal as INTA |
| Input resistance | 4.7k Ω |
| Output type | Opto-Isolated Open Collector Output (current sinking type) (Negative logic) |
| Output rating | +35VDC 100mA |
| Expansion function | - |
| Response time (Max.) | 200 μ sec |
| Maximum distance | 50m |

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|--------------------------|---|
| I/O address | Any 32-byte boundary |
| Power consumption (Max.) | +5VDC 500mA |
| PCI bus/ | 32bit, 33MHz, 5V/ |
| Dimension (mm) | 176.41(L)x106.68(H) |
| Connector | HDRA-E100W1L-FDT1EC-SL[HONDA Tsushin Kogyo] or equivalent |
| Option | |
| Software | ACX-PAC(W32)BP, ACX-PAC(W32)AP |
| Accessories | EPD-96*1, DTP-64(PC)*1, CM-64(PC)E*1 |
| Cables/ Connector | PCA100P, PCB100/96PS, PCB100WS |

*1:Option cable of PCB100/96PS is required.

Opto-Isolated High-Speed Digital I/O Board

PIO-32/32F(PCI)



PCI Input 32 Output 32 Isolated CE

API function library attachment [API-PAC(W32)]

FEATURES

- ★ Equipped with High-speed photo coupler whose response time is 5 μ sec (Max.)
- ★ The board has a digital filter input function by trigger edge and etc.
- Pin assignment of connector is compatible with PIO-32/32L(PC) and PIO-32/32L(PCI)

SPECIFICATIONS

| | |
|----------------------|---|
| Inputs channels | 32 |
| Output channels | 32 |
| I/O Circuit | |
| Signal level | +12 - 24VDC |
| Internal power | - |
| Input specification | |
| Input type | Opto-Isolated Input (for high sink current output) (Negative logic) |
| Interrupt | Combine four interrupt signal lines to one interrupt request signal as INTA |
| Input resistance | 2.2k Ω |
| Output specification | |
| Output type | Opto-Isolated Open Collector Output (current sinking type) (Negative logic) |
| Output rating | +35VDC 50mA |
| Expansion function | Yes |
| Response time (Max.) | 5 μ sec |

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|--------------------------|---|
| Maximum distance | 50m |
| I/O address | Any 32-byte boundary |
| Power consumption (Max.) | +5VDC 500mA |
| PCI bus/ | 32bit, 33MHz, 5V/ |
| Dimension (mm) | 176.41(L)x106.68(H) |
| Connector | PCR-E96LMD[HONDA Tsushin Kogyo] or equivalent |
| Option | |
| Software | ACX-PAC(W32)BP, ACX-PAC(W32)AP, DDE SERVER(W32) |
| 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/ Connector | PCA96P, PCB96P, PCB96W, PCA96PS, PCB96PS, PCB96WS, CN5-H96F |

*1:Option cable of PCB96W or PCB96WS is required.

*2:Option cable of PCB96P or PCB96PS is required.

Opto-Isolated Digital I/O Board with On-board 12V Power Supply

PIO-16/16B(PCI)



PCI Input 16 Output 16 Isolated Power on board

API function library attachment [API-PAC(W32)]

FEATURES

- ★ On board Isolated power supply
- ★ The board has a digital filter input function by trigger edge and etc.
- Pin assignment of connector is compatible with PIO-16/16B(PC)H

SPECIFICATIONS

| | |
|----------------------|---|
| Inputs channels | 16 |
| Output channels | 16 |
| I/O Circuit | |
| Signal level | +12 - 24VDC |
| Internal power | DC12V 240mA |
| Input specification | |
| Input type | Opto-Isolated Input (for high sink current output) (Negative logic) |
| Interrupt | Combine four interrupt signal lines to one interrupt request signal as INTA |
| Input resistance | 3k Ω |
| Output specification | |
| Output type | Opto-Isolated Open Collector Output (current sinking type) (Negative logic) |
| Output rating | +35VDC 100mA |
| Expansion function | Yes |
| Response time (Max.) | 1msec |

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|--------------------------|--|
| Maximum distance | 50m |
| I/O address | Any 32-byte boundary |
| Power consumption (Max.) | +5VDC 300mA(External power) +5VDC 1200mA(On board power) |
| PCI bus/ | 32bit, 33MHz, 5V/ |
| Dimension (mm) | 176.41(L)x106.68(H) |
| Connector | 37-pin female D-type DCL-J37SAF-20L9[JAE] or equivalent |
| Option | |
| Software | ACX-PAC(W32)BP Ver.2.1 upper, ACX-PAC(W32)AP Ver.2.1 upper |
| Accessories | DTP-3(PC), DTP-4(PC), EPD-37*1, CM-32(PC)E*1 |
| Cables/ Connector | PCA37P, PCB37P, PCA37PS, PCB37PS, CN5-D37M |

*1:Option cable of PCB37P or PCB37PS is required.

Opto-Isolated Digital I/O Board with On-board 12V Power Supply

PIO-32/32B(PCI)H



PCI Input 32 Output 32 Power on board Isolated CE

API function library attachment [API-PAC(W32)]

FEATURES

- ★ On board isolated power supply
- The board has a digital filter input function by trigger edge and etc.

SPECIFICATIONS

| | |
|----------------------|---|
| Inputs channels | 32 |
| Output channels | 32 |
| I/O Circuit | |
| Signal level | +12 - 24VDC |
| Internal power | DC12V 240mA |
| Input specification | |
| Input type | Opto-Isolated Input (for high sink current output) (Negative logic) |
| Interrupt | Combine four interrupt signal lines to one interrupt request signal as INTA |
| Input resistance | 3k Ω |
| Output specification | |
| Output type | Opto-Isolated Open Collector Output (current sinking type) (Negative logic) |
| Output rating | +35VDC 100mA |
| Expansion function | Yes |
| Response time (Max.) | 1msec |

| | |
|--------------------------|---|
| Maximum distance | 50m |
| I/O address | Any 32-byte boundary |
| Power consumption (Max.) | +5VDC 300mA(External power), +5VDC 1300mA(Internal power) |
| PCI bus/ | 32bit, 33MHz, 5V/ |
| Dimension (mm) | 176.41(L)x106.68(H) |
| Connector | PCR-E96LMD[HONDA Tsushin Kogyo] or equivalent |
| Option | |
| Software | ACX-PAC(W32)BP, ACX-PAC(W32)AP, DDE SERVER(W32) |
| 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/ Connector | PCA96P, PCB96P, PCB96W, PCA96PS, PCB96PS, PCB96WS, CN5-H96F |

*1:Option cable of PCB96W or PCB96WS is required.

*2:Option cable of PCB96P or PCB96PS is required.