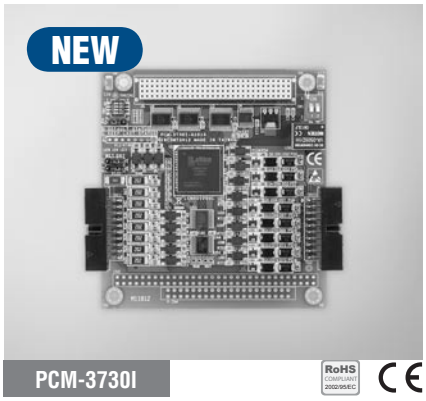
PCM-3730I
PCM-3753I
PCM-3761I

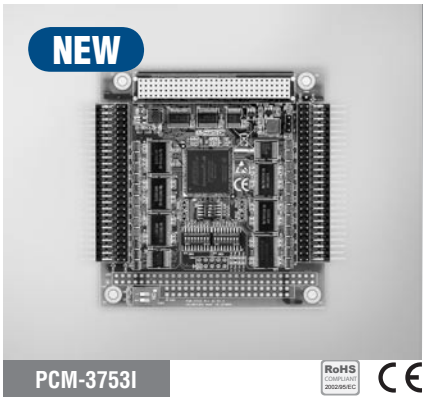
32-ch Isolated Digital I/O PCI-104 Module

96-ch Digital I/O PCI-104 Module

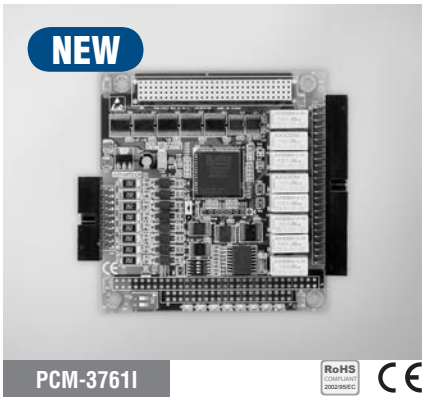
8-ch Relay and 8-ch Isolated Digital Input PCI-104 Module



PCM-3730I



PCM-3753I



PCM-3761I

Features

- High-voltage isolation on input channels (2,500 V_{DC})
- High output driving capacity
- Interrupt handling capability
- High-voltage isolation on output channels

Specifications

Isolated Digital Input

- **Channels** 16
- **Input Voltage** Logic 0: 3 V max.
Logic 1: 5 V min.
30 V max.
- **Input Current** 2.5 mA @ 5 V
15 mA @ 30 V
- **Input Resistance** 2 kW 0.5 W
- **Isolation Voltage** 2,500 V_{DC}
- **Over Voltage Protection** 70 V_{DC}
- **Opto-isolator Response Time** 25 µs
- **Interrupt Capable** All channels

Isolated Digital Output

- **Channels** 16
- **Output Voltage Open Collector** 5 to 30 V_{DC}
- **Output Sink Current** 200 mA max.
- **Isolation Voltage** 2,500 V_{DC}
- **Over Current Protection** 1.6 A per 8 channels
- **Opto-isolator Response Time** 25 µs

General

- **Bus Type** PCI-104
- **I/O Connectors** 2 x 20-pin IDC
- **Dimensions (L x H)** 96 x 90 mm (3.8" x 3.5")
- **Operating Temperature** -20 ~ 70° C
- **Storage Temperature** -50 ~ 120° C

Ordering Information

- **PCM-3730I** 32-ch Isolated Digital I/O PCI-104 Module
- **ADAM-3920** 20-pin DIN-rail Wiring Board
- **PCL-10120-1** 20-pin Flat Cable, 1 m
- **PCL-10120-2** 20-pin Flat Cable, 2 m

Features

- Supports dry/wet contact
- Keeps the last output value after system hot reset
- Interrupt handling capacity
- "Pattern match" and "change of state" interrupt functions
- Output status read-back
- Interrupt output pin for simultaneously triggering external devices

Specifications

Digital Input/Output

- **Channels** 96 (bi-directional)
- **Compatibility** 5 V/TTL
- **Input Voltage** Logic 0: 0.8 V max.
Logic 1: 2.0 V min.
- **Output Voltage** Logic 0: 0.4 V max.
Logic 1: 2.4 V min.
- **Output Capability** Sink: 0.4 V @ 24 mA
Source: 2.4 V @ 15 mA

General

- **Bus Type** PCI-104
- **I/O Connectors** 4 x IDC-50 pin
- **Dimensions (L x H)** 96 x 90 mm (3.8" x 3.5")
- **Operating Temperature** -20 ~ 70° C
- **Storage Temperature** -50 ~ 120° C

Ordering Information

- **PCM-3753I** 96-ch Digital I/O PCI-104 Module w/ 50p Cable
- **PCL-10150-1.2** 50-pin Flat Cable, 1.2 m
- **ADAM-3950** 50-pin DIN-rail Flat Cable Wiring Board
- **PCLD-782B** 24-ch IDI Board w/ 20-pin & 50-pin Flat Cables
- **PCLD-785B** 24-ch Relay Board w/ 20-pin & 50-pin Flat Cables

Features

- 8 Form C type relay output channels
- Retained relay output values when hot system reset
- High-voltage isolation on input channels (2,500 V_{DC})
- Wide input range (5 ~ 30 V_{DC})
- Interrupt handling capability

Specifications

Isolated Digital Input

- **Channels** 8
- **Input Voltage** Logic 0: 3 V max.
Logic 1: 5 V min.
30 V max.
- **Input Current** 2.5 mA @ 5 V
15 mA @ 30 V
- **Input Resistance** 2 kW 0.5 W
- **Isolation Protection** 2,500 V_{DC}
- **Overvoltage Protection** 70 V_{DC}
- **Interrupt Capable** All channels
- **Opto-isolator Response Time** 25 µs

Relay Output

- **Channels** 8
- **Relay Type** DPDT, Form C
- **Contact Rating** 240 V_{AC} @ 0.25 A,
or 30 V_{DC} @ 1 A
- **Relay on Time** 5 ms max.
- **Relay off Time** 4 ms max.
- **Life Span** 1 x 10^7 @ 6 V/100 mA
- **Resistance Contact** < 50 mW
- **Insulation** 1 GW min. (at 500 V_{DC})

General

- **Bus Type** PCI-104
- **I/O Connectors** 1 x IDC-50 pin,
1 x IDC-20 pin
- **Dimensions (L x H)** 96 x 90 mm (3.8" x 3.5")
- **Operating Temperature** 0 ~ 60° C (32 ~ 140° F)
(refer to IEC 68-2-1, 2)
- **Storage Temperature** -20 ~ 70° C (-4 ~ 158° F)

Ordering Information

- **PCM-3761I** 8-ch Relay/Isolated Digital Input PCI-104 Module
- **ADAM-3920** 20-pin DIN-rail Flat Cable Wiring Board
- **ADAM-3950** 50-pin DIN-rail Flat Cable Wiring Board
- **PCL-10150-1.2** 50-pin Flat Cable, 1.2 m
- **PCL-10120-1** 20-pin Flat Cable, 1 m
- **PCL-10120-2** 20-pin Flat Cable, 2 m