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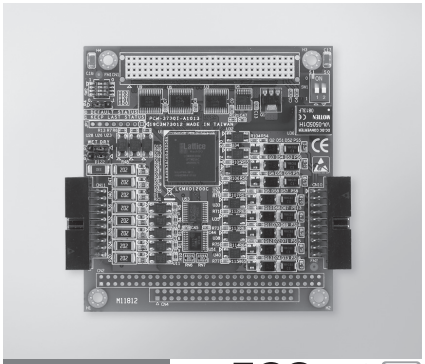
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PCM-3730I
PCM-3753I
PCM-3761I

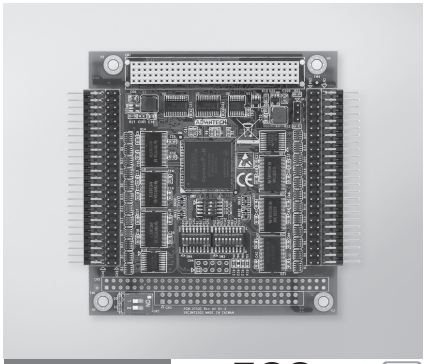
32-ch Isolated Digital I/O PCI-104 Module

96-ch Digital I/O PCI-104 Module

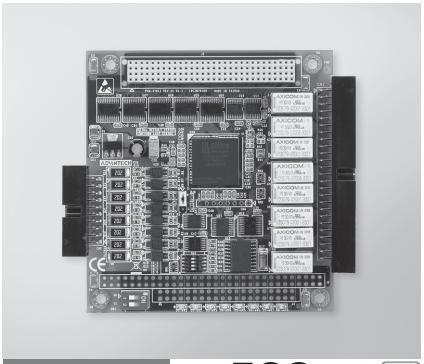
8-ch Relay and 8-ch Isolated Digital Input PCI-104 Module



PCM-3730I



PCM-3753I



PCM-3761I

Features

- Compact size with robust design
- High-voltage isolation on both input and output channels (2,500 V_{DC})
- High output driving capacity
- Interrupt handling capability
- Keep digital output values after system reset

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 kΩ
- **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 ~ 30 V_{DC}
- **Output Sink Current** 250 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 box header
- **Dimensions (L x H)** 96 x 90 mm (3.8" x 3.5")
- **Operating Temperature** -20 ~ 70°C (-4 ~ 158°F)
- **Storage Temperature** -50 ~ 120°C (-58 ~ 248°F)

Ordering Information

- **PCM-3730I** 32-ch Isolated Digital I/O PCI-104 Module

Accessories

- **ADAM-3920** 20-pin DIN-rail Wiring Board
- **PCL-10120-1E** 20-pin Flat Cable, 1 m
- **PCL-10120-2E** 20-pin Flat Cable, 2 m

Features

- Compact size with robust design
- 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 50-pin box header
- **Dimensions (L x H)** 96 x 90 mm (3.8" x 3.5")
- **Operating Temperature** -20 ~ 70°C (-4 ~ 158°F)
- **Storage Temperature** -50 ~ 120°C (-58 ~ 248°F)

Ordering Information

- **PCM-3753I** 96-ch Digital I/O PCI-104 Module w/ 50p Cable

Accessories

- **PCL-10150-1.2E** 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

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 kΩ 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** 0.25 A @ 250 V_{AC},
  2 A @ 30 V_{DC}
- **Max. Switching Power** 62.5 VA, 60 W
- **Max. Switching Voltage** 250 V_{AC}, 220 V_{DC}
- **Max. Switching Current** 5 A
- **Min. Switching Voltage** 100 µV
- **Operate/Release Time** typ. 3 / 2 ms, max. 5 / 4 ms
- **Resistance** Contact: 50 mΩ max.:
  10 mA @ 20 mV
  Insulation: 1 GΩ min.:
  500 V_{DC}
- **Life Expectancy (Electrical)** 5 x 10^7 cycles typ.:
  10 mA @ 12 V
  2 x 10^5 cycles typ.:
  2000 mA @ 30 V

General

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

Ordering Information

- **PCM-3761I** 8-ch Relay/Isolated Digital Input PCI-104 Module

Accessories

- **ADAM-3920** 20-pin DIN-rail Flat Cable Wiring Board
- **ADAM-3950** 50-pin DIN-rail Flat Cable Wiring Board
- **PCL-10150-1.2E** 50-pin Flat Cable, 1.2 m
- **PCL-10120-1E** 20-pin Flat Cable, 1 m
- **PCL-10120-2E** 20-pin Flat Cable, 2 m

All product specifications are subject to change without notice

Last updated : 19-Mar-2014

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