

PCM-3724

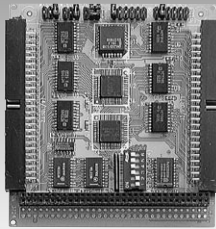
PCM-3725

PCM-3730

48-Channel Digital I/O Module

8-ch DI and 8-ch Relay Output Module

32-ch Isolated Digital I/O Module



PCM-3724



CE FCC

Features

- Output status read back
- Channels simulate 8255 PPI mode 0
- Interrupt triggering, rising/falling edge

Specifications

General

- **Channels** 48 digital I/O channels
- **Throughput** 300 Kbps typical; 400 Kbps max.
- **Input Voltage** Logic 0: 0.8 V max.
Logic 1: 2.0 V min.
- **Output Voltage** Logic 0: 0.5 V max. @ 24 mA (sink)
Logic 1: 2.0 V min. @ 15 mA (source)

Mechanical and Environmental

- **Dimension (L x W)** 96 mm x 90 mm (3.8" x 3.5")
- **Weight** 0.084 kg (0.185 lb)
- **Operating Temperature** Operating: 0 ~ 60° C (32 ~ 140° F)
Storage: -40 ~ 85° C (-40 ~ 185° F)
- **Operating Humidity** 0% ~ 90% relative humidity, non-condensing

Power

- **Power Supply Voltage** +5 V, ±5 % tolerance on power supply

Ordering Information

- **PCM-3724** 48-channel digital I/O module (cable not included)
- **ADAM-3950** 50-pin flat cable wiring terminal for DIN-Rail mounting
- **PCLD-785B** 24-channel relay output board
- **PCLD-782B** 24-channel opto-isolated digital input board
- **PCL-10150-1.2** 50-pin flat cable, 1.2 m



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Features

- LED indicators to show activated relays
- Interrupt handling capability

Specifications

General

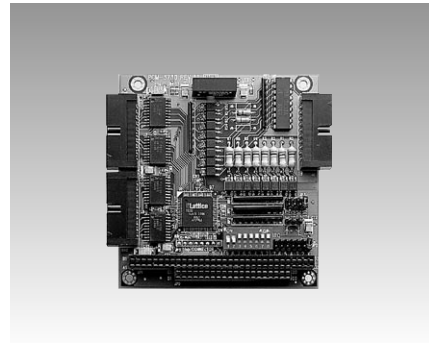
- **Channels** Opto-Isolated 8 DI channels
- **Over-voltage Protect** 70 V_{DC}
- **Isolation Voltage** 2500 V_{DC}
- **Isolator Response Time** 25 µs
- **Channels** 8-ch SPDT (Form C) relays
- **Nominal Switch** 1.5 A @ 30 V_{DC}
- **Switching Power** 45 W max.
- **Switching Voltage** 220 V_{DC} max.
- **Switching Current** 1.5 A max.
- **Breakdown Voltage** 2000 Vrms for 1 min.
- **Isolated DI Connector** 20-pin post header
- **Relay Output Connector** 50-pin post header

Power

- **Power Consumption** 100 mA @ +5 V (typical); 280 mA @ +5 V (max)

Ordering Information

- **PCM-3725** 8-ch Isolated Digital Input and 8-ch Relay Output Module, user's manual and driver CD-ROM. (cable not included)
- **PCL-10120-1/2** 20-pin Flat Cable 1/2 m
- **PCL-10150-1.2** 50-pin Flat Cable 1.2 m
- **ADAM-3920** 20-pin Flat Cable Wiring Terminal for DIN-Rail
- **ADAM-3950** 50-pin Flat Cable Wiring Terminal for DIN-Rail
- **PCLD-780** 50-pin Flat Cable Wiring Terminal for DIN-Rail Screw-Terminal Board for 20-pin Flat Cable



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Features

- Opto-isolated 8 DI and 8 DO channels
- TTL-level 16 DI and 16 DO channels
- High output driving capacity
- Interrupt handling capacity

Specifications

Isolated Digital I/O

- **Channels** Opto-Isolated 8 DI and 8 DO channels
- **Input Resistance** 2 kohm @ 0.5 V
- **Output Voltage** Open collector 5 to 40 V_{DC}
- **Output Sink Current** 200 mA max.
- **Isolation Voltage** 2,500 V_{DC}
- **Throughput** KHz max.

TTL-level Digital I/O

- **Channels** TTL-level 16 DI and 16 DO channels
- **Input Voltage** Low: 0.8 V max.
High: 2.0 V min.
- **Output Voltage** Low: Sink 0.5 V @ 8 mA max.
High: Source 2.4 V @ -0.4 mA min.
- **Input Load** Low: 0.5 V @ 0.4 mA max.
High: 2.7 V @ 0.05 mA max.
- **Throughput** 30 KHz typical

Ordering Information

- **PCM-3730** 16-channel Isolated Digital I/O Module (cable included)
- **ADAM-3920** 20-pin flat cable wiring terminal for DIN-Rail mounting
- **PCLD-780** Screw-terminal board for 20-pin flat cable
- **PCLD-785/885** 16-ch relay/power relay output board
- **PCLD-782** 16-ch Opto-isolated digital input board
- **PCL-10120-1/2** 20-pin flat cable, 1/2 m