

# PCM-3724

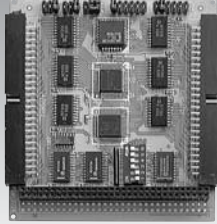
# PCM-3725

# PCM-3730

## 48-Channel Digital I/O Module

## 8-ch IDI and 8-ch Relay Output Module

## 32-ch Isolated Digital I/O Module



PCM-3724



### Features

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

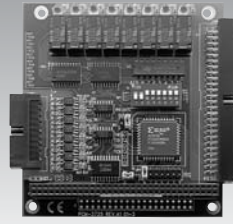
### Specifications

#### Digital I/O

- **Channels** 48 digital I/O channels
- **Throughput** 300 K bps typical; 400 K bps max.
- **Input Voltage** Logic 0: 0.8 V max.  
Logic 1: 2.0 V min.
- **Output Voltage** Logic 0: 0.5 V max. @ 24m A (sink)  
Logic 1: 2.0 V min. @ 15m A (source)
- **Power Requirements** +5 V, ±5 % tolerance on power supply
- **Size/Weight** 96 mm x 90 mm (3.8" x 3.5"), 0.084 kg (0.185 lb)
- **Temperature** Operating: 0 ~ 60° C (32 ~ 140° F)  
Storage: -40 ~ 85° C (-40 ~ 185° F)
- **Operating Humidity** 0% ~ 90% relative humidity, non-condensing

### 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

#### Isolated Digital Input

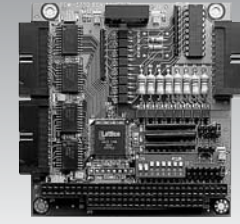
- **Channels** Opto-Isolated 8 DI channels
- **Over-voltage Protect** 70 V<sub>DC</sub> max.
- **Isolation Voltage** 2500 V<sub>DC</sub>
- **Isolator Response Time** 25 μs
- **Relay Output**
- **Channels** 8-ch SPDT (Form C) relays
- **Nominal Switch** 1.5 A @ 30 V<sub>DC</sub>
- **Capacity**
- **Switching Power** 45 W max.
- **Switching Voltage** 220 V<sub>DC</sub> max.
- **Switching Current** 1.5 A max.
- **Breakdown Voltage** 2000 Vrms for 1 min.

#### General

- **Power Consumption** 100 mA @ +5 V (typical); 280 mA @ +5 V ( max)
- **Isolated DI Connector** 20-pin post header
- **Relay Output Connector** 50-pin post header

### 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** Screw-Terminal Board for 20-pin Flat Cable



PCM-3730



### Features

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

### Specifications

#### Isolated Digital I/O

- **Channels** Opto-Isolated 8 DI and 8 DO channels
- **Input Resistance** 2 kohm @ 0.5 W
- **Output Voltage** Open collector 5 to 40 V<sub>DC</sub>
- **Output Sink Current** 200 mA max.
- **Isolation Voltage** 2,500 V<sub>DC</sub>
- **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