

PCM-3725 PCM-3730

8-ch IDI and 8-ch Relay Output Module

32-ch Isolated Digital I/O Module



PCM-3725



Features

- LED indicators to show activated relays
- Interrupt handling capability

Specifications

General

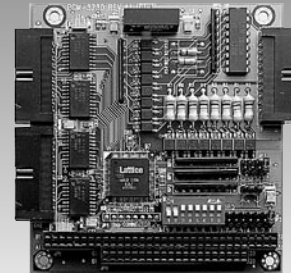
- **Channels** Opto-Isolated 8 DI channels
- **Over-voltage Protect** 70 V_{DC}
- **Isolation Voltage** 2500 V_{DC}
- **Isolator Response Time** 25 μ s
- **Channels** 8-ch SPDT (Form C) relays
- **Nominal Switch** 1.5 A @ 30 V_{DC}
- **Switching Power** 45 W max.
- **Switching Voltage** 220 V_{DC} max.
- **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** Screw-Terminal Board for 20-pin Flat Cable



PCM-3730



Features

- Opto-isolated eight DI and eight 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** 1 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