

# PCM-3725 PCM-3730 PCM-3780

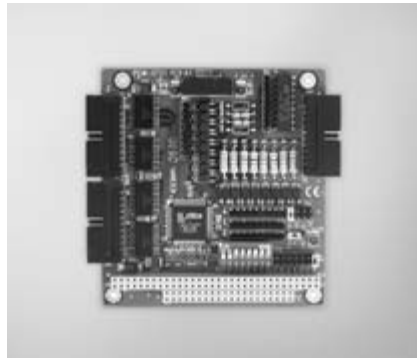
## 8-ch Relay and Isolated Digital Input PC/104 Module

## 16-ch Isolated Digital I/O PC/104 Module

## 2-ch Counter/Timer with 24-ch Digital I/O PC/104 Module



PCM-3725



PCM-3730



PCM-3780



### Specifications

#### Isolated Digital Input

- Channels 8
- Input Voltage Logic 0: 3 V  
Logic 1: 10 V (50 V max.)  
2,500 V<sub>DC</sub>
- Isolation Protection 2,500 V<sub>DC</sub>
- Overvoltage Protection 70 V<sub>DC</sub>
- Opto-Isolator Response 25 µs
- Input Resistance 4.7 KΩ

#### Relay Output

- Channels 8
- Relay Type SPDT (Form C)
- Contact Rating 30 V<sub>DC</sub> @ 1.5 A
- Relay on Time 4 ms
- Relay off Time 4 ms
- Life Span 100,000 min @ 2 A/30 V
- Resistance Contact: 100 mΩ  
Insulation: 1 GΩ @ 500 V<sub>DC</sub>

#### General

- Bus Type PC/104
- I/O Connectors 1 x 20-pin head for IDI  
1 x 50-pin head for relay
- Dimensions (L x H) 96 x 90 mm (3.8" x 3.5")
- Power Consumption Typical: 5 V @ 100 mA  
Max.: 5 V @ 280 mA
- Operating Temperature 0 ~ 60° C (32 ~ 140° F)
- Storage Temperature -20 ~ 70° C (-4 ~ 158° F)
- Storage Humidity 5 ~ 95% RH, non-cond.

### Ordering Information

- PCM-3725 8-ch Relay/Isolated Digital Input PC/104 Module
- PCL-10120-1 20-pin Flat Cable, 1 m
- PCL-10120-2 20-pin Flat Cable, 2 m
- PCL-10150-1.2 50-pin Flat Cable, 1.2 m
- ADAM-3920 20-pin DIN-rail Flat Cable Wiring Board
- ADAM-3950 50-pin DIN-rail Flat Cable Wiring Board
- PCLD-780 Screw Terminal Board w/ Two 20-pin Flat Cables

### Specifications

#### Digital Input

- Channels 16, 5 V/TTL
- Interrupt Capable Ch. 4

#### Isolated Digital Input

- Channels 8
- Input Voltage Logic 0: 2 V max.  
Logic 1: 5 V min. (24 V max.)  
2,500 V<sub>DC</sub>
- Isolation Protection 2,500 V<sub>DC</sub>
- Opto-Isolator Response 0.1 ms
- Input Resistance 2 kΩ @ 0.5 W

#### Digital Output

- Channels 16, 5 V/TTL
- Output Capability Sink: 8 mA @ 0.5 V max.  
Source: -0.4 mA @ 2.4 V min.

#### Isolated Digital Output

- Channels 8
- Output Type Sink (NPN)
- Isolation Protection 2,500 V<sub>DC</sub>
- Output Voltage 5 ~ 40 V<sub>DC</sub>
- Sink Current 200 mA max./channel
- Opto-Isolator Response 100 µs

#### General

- Bus Type PC/104
- I/O Connectors 3 x 20-pin box header
- Dimensions (L x H) 96 x 90 mm (3.8" x 3.5")
- Power Consumption Typical: 5 V @ 330 mA  
Max.: 5 V @ 500 mA
- Operating Temperature 0 ~ 60° C (32 ~ 140° F)
- Storage Temperature -20 ~ 70° C (-4 ~ 158° F)
- Storage Humidity 5 ~ 95% RH, non-cond.

### Ordering Information

- PCM-3730 16-ch Isolated DI/O PC/104 Module w/ 20p Cable
- PCL-10120-1 20-pin Flat Cable, 1 m
- PCL-10120-2 20-pin Flat Cable, 2 m
- ADAM-3920 20-pin DIN-rail Flat Cable Wiring Board
- PCLD-780 Screw Terminal Board w/ Two 20-pin Flat Cables
- PCLD-785 16-ch Relay Board w/ One 1m 20-pin Flat Cable
- PCLD-885 16-ch Power Relay Board w/ 20p & 50p Flat Cables

### Specifications

#### Digital Input

- Channels 24 (shared with output)
- Compatibility 5 V/TTL
- Input Voltage Logic 0: 0.8 V max.  
Logic 1: 2.4 V min.
- Interrupt Capable Ch. 24

#### Digital Output

- Channels 24 (shared with input)
- Compatibility 5 V/TTL
- Output Voltage Logic 0: 0.5 V max. @ 24 mA (sink)  
Logic 1: 2.4 V min. @ 15 mA (source)

#### Counter/Timer

- Channels 2
- Resolution 16 bits
- Compatibility 5 V/TTL
- Max. Input Frequency 20 MHz
- Counter Modes 12 (programmable)
- Interrupt Capable Ch. 2

#### General

- Bus Type PC/104
- I/O Connectors 1 x 50-pin box header  
1 x 20-pin box header
- Dimensions (L x H) 96 x 90 mm (3.8" x 3.5")
- Power Consumption Typical: 5 V @ 300 mA  
Max.: 5 V @ 0.8 mA
- Operating Temperature 0 ~ 60° C (32 ~ 140° F)
- Storage Temperature -20 ~ 70° C (-4 ~ 158° F)
- Operating Humidity 5 ~ 85% RH non-cond.

### Ordering Information

- PCM-3780 2-ch Counter/Timer, DI/O, PC/104 Module w/Cables
- PCL-10120-1 20-pin Flat Cable, 1 m
- PCL-10150-1.2 50-pin Flat Cable, 1.2 m
- ADAM-3920 20-pin DIN-rail Flat Cable Wiring Board
- ADAM-3950 50-pin DIN-rail Flat Cable Wiring Board