

# PCM-3725

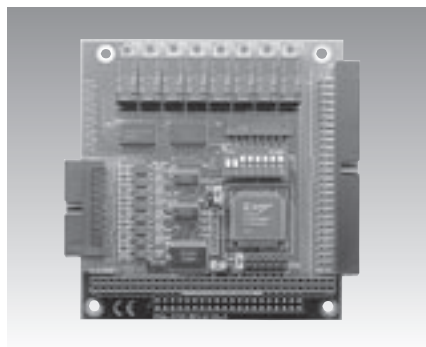
# PCM-3730

# PCM-3780

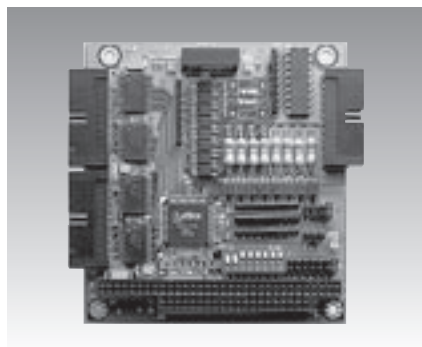
8-ch Isolated DI/Relay Output Module

16-ch Isolated Digital I/O Module

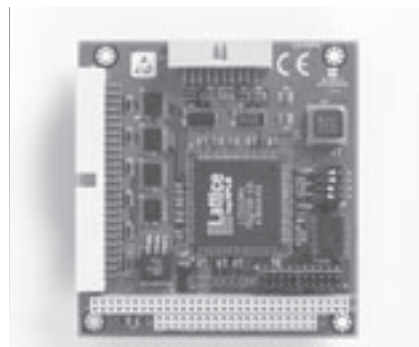
2-ch Counter/Timer with 24-ch TTL DI/O Module



PCM-3725



PCM-3730



PCM-3780



## Features

- LED indicators to show activated relays

## Specifications

### Isolated Digital Input

- Channels** 8
- Input Voltage** Logic 0: 3 V  
Logic 1: 10 V (50 V max.)
- Isolation Protection** 2500 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** 100000 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: 100 mA @ +5 V  
Max: 280 mA @ +5 V
- Operating Temperature** 0 ~ 60° C (32 ~ 158° F)
- Storing Temperature** -20 ~ 70° C (-4 ~ 158° F)
- Storing Humidity** 5 ~ 95% RH, non-cond.

## Ordering Information

- PCM-3725** 8-ch Isolated DI/Relay Output Module (no cables inc.)
- 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 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

## Features

- High driving capacity and high-voltage isolation

## 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.)
- Isolation Protection** 2,500 V<sub>DC</sub>
- Opto-Isolator Response** 0.1 ms
- Input Resistance** 2 kΩ @ 0.5 V

### 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: 330 mA @ +5 V  
Max: 500 mA @ +5 V
- Operating Temperature** 0 ~ 60° C (32 ~ 158° F)
- Storing Temperature** -20 ~ 70° C (-4 ~ 158° F)
- Storing Humidity** 5 ~ 95% RH, non-cond.

## Ordering Information

- PCM-3730** 16-ch Isolated DI/O Module (cable included)
- PCL-10120-1** 20-pin flat cable, 1 m
- PCL-10120-2** 20-pin flat cable, 2 m
- ADAM-3920** 20-pin flat cable wiring terminal for DIN-Rail mt.
- PCLD-780** Screw-terminal board for 20-pin flat cable
- PCLD-785/885** 16-ch relay/power relay output board

## Specifications

### Programmable counter

- 2 independent 16-bit counters
- 4 independent programmable clock sources (10 M, 1 M, 100 k, 10 k)
- 12 programmable counter modes

### 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 A
- Operating Temperature** 0 ~ 60° C (32 ~ 158° F)
- Storing Temperature** -20 ~ 70° C (-4 ~ 158° F)
- Operating Humidity** 5 ~ 85% RH non-cond.

## Ordering Information

- PCM-3780** 2-ch Counter/Timer with 24-ch TTL DI/O
- PCL-10120-1** 20-pin flat cable 1 m
- PCL-10150-1.2** 50-pin flat cable 1.2 m
- ADAM-3920/50** 20/50-pin flat cable wiring terminal for DIN-rail