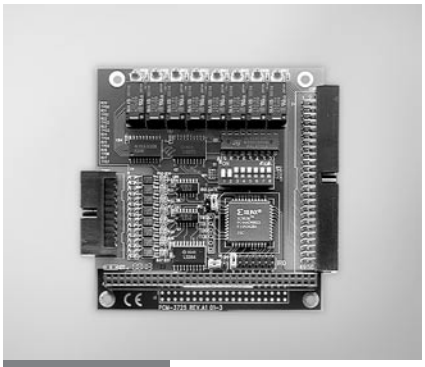
PCM-3725
PCM-3730
PCM-3780

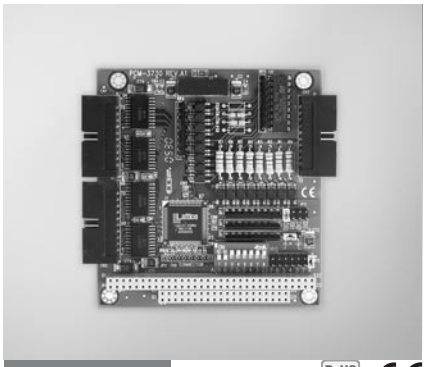
8-ch Relay and Isolated Digital Input PC/104 Module

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

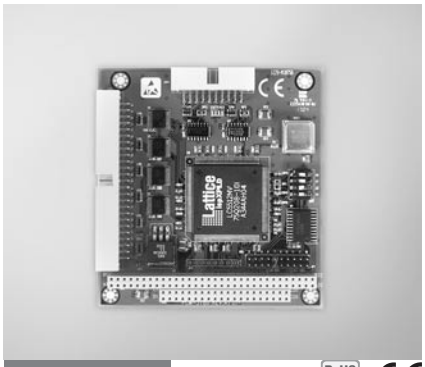
2-ch Counter/Timer with 24-ch Digital I/O PC/104 Module



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.)
- **Isolation Protection** 2,500 V_{DC}
- **Overvoltage Protection** 70 V_{DC}
- **Opto-Isolator Response** 25 µs
- **Input Resistance** 4.7 KΩ

Relay Output

- **Channels** 8
- **Relay Type** SPDT (Form C)
- **Contact Rating** 30 V_{DC}@ 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_{DC}

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** 100 mA @ +5 V (typical)
  280 mA @ +5 V (max.)
- **Operating Temperature** 0 ~ 60° C (32 ~ 158° 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.)
- **Isolation Protection** 2,500 V_{DC}
- **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_{DC}
- **Output Voltage** 5 ~ 40 V_{DC}
- **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** 330 mA @ +5 V (typical)
  500 mA @ +5 V (max.)
- **Operating Temperature** 0 ~ 60° C (32 ~ 158° 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

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** 300 mA @ +5 V (typical)
  0.8 mA @ +5 V (max.)
- **Operating Temperature** 0 ~ 60° C (32 ~ 158° 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