

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_{DC}
- 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 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_{DC}
- 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 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