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







Specifications

Isolated Digital Input

Channels Input Voltage Logic 0: 3 V

Logic 1: 10 V (50 V max.) Isolation Protection 2,500 V_{DC} Overvoltage $70 \ V_{DC}$

Protection Opto-Isolator 25 µs Response Input Resistance 47KO

Relay Output

Channels

SPDT (Form C) Relay Type **Contact Rating** 30 V_{DC} @ 1.5 A Relay on Time 4 ms Relay off Time

Life Span 100,000 min @ 2 A/30 V Resistance Contact: 100 m Ω Insulation: 1 G Ω @ 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 $0 \sim 60^{\circ}\text{C} (32 \sim 140^{\circ}\text{F})$

Temperature 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

Accessories

PCL-10120-1E 20-pin Flat Cable, 1 m PCL-10120-2E 20-pin Flat Cable, 2 m PCL-10150-1.2E 50-pin Flat Cable, 1.2 m

ADAM-3920 20-pin DIN-rail Flat Cable Wiring Board

50-pin DIN-rail Flat Cable ADAM-3950 Wiring Board

Specifications

Digital Input

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

Isolated Digital Input

Channels

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 $2 \, k\Omega @ 0.5 \, W$

Digital Output

Channels 16, 5 V/TTL

Output Capability Sink: 0.5 V max. @ 8 mA Source: 2.4 V min @ 0.4 mA

Isolated Digital Output

Channels

Output Type Sink (NPN) **Isolation Protection** 2.500 Vpc **Output Voltage** $5 \sim 40 V_{DC}$ 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

Accessories

PCL-10120-1E

20-pin Flat Cable, 1 m PCL-10120-2E 20-pin Flat Cable, 2 m ADAM-3920 20-pin DIN-rail Flat Cable

Wiring Board 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/TTI

Input Voltage Logic 0: 0.8 V max. Logic 1: 2.4 V min.

Interrupt Capable Ch.

Digital Output

Channels 24 (shared with input)

Compatibility 5 V/TTL

 Output Voltage Logic 0: 0.5 V max. @ 24 mA

Logić 1: 2.4 V min. @ 15 mA

(source)

Counter/Timer

Channels 2 Resolution

16 bits Compatibility 5 V/TTL Max. Input Frequency 20 MHz

12 (programmable) **Counter Modes**

Interrupt Capable Ch.

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 $-20 \sim 70^{\circ}\text{C} (-4 \sim 158^{\circ}\text{F})$

 Operating Humidity 5 ~ 85% RH non-cond.

Orderina Information

PCM-3780

2-ch Counter/Timer, DI/O, PC/104 Module w/Cables

20-pin Flat Cable, 1 m

Accessories

PCL-10120-1E PCL-10150-1.2E

50-pin Flat Cable, 1.2 m ADAM-3920 20-pin DIN-rail Flat Cable Wiring Board

50-pin DIN-rail Flat Cable ADAM-3950 Wiring Board