

# PM-3003

PC/104 module with eight isolated DI and eight isolated DO and two channel AI

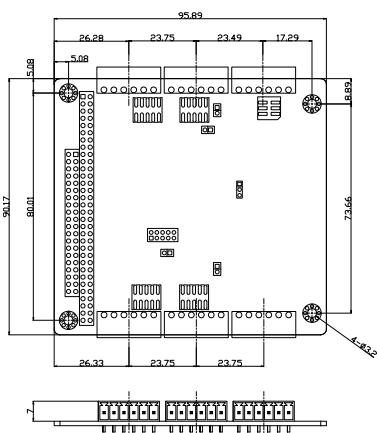


## Specifications

### System Hardware

- ◆ Bus Interface  
PC/104
- ◆ Digital Input Signals  
8-port Isolated Digital Input
  - 2000 VDC isolated protection
  - 2000 VDC ESD protection
  - 70 VDC over-voltage protection
  - 0 VDC ~ 50 VDC input range & 10 kHz speed
  - Dry contact levels (0: GND, 1: Open)
  - Wet contact levels (0: +2V Max, 1: +4V ~ +50V)
- ◆ Digital Output Signals  
8-port isolated digital output
  - 2000 VDC isolated protection
  - 2000 VDC ESD protection
  - 200 mA max/channel sink current
  - 5 VDC ~ 30 VDC output range and 10 kHz speed
- ◆ Analog Input Signals  
2-ch Thermocouple Inputs
  - JKTE type
  - Input range:  $\pm 15$  mV,  $\pm 50$  mV,  $\pm 100$  mV,  $\pm 500$  mV,  $\pm 1$  V,  $\pm 2.5$  V,  $\pm 20$  mA
  - T/C types and temperature ranges : J : 0°C ~ 760°C, K : 0°C ~ 1370°C, T : -100°C ~ 400°C, E : 0°C ~ 1000°C
- ◆ Power  
Power Input: 5 VDC (2.5 W min.)
- ◆ Environmental  
Operating Temperature: 0 ~ 60°C  
Humidity: 5 % ~ 85 % RH without condensation
- ◆ Driver Support  
Windows® 2000, Windows® XP, Windows® XPe and Windows® CE 5.0

## Dimensions (Unit : mm)



## Packing List

- 1x PM-3003
- 1x Utility CD including SDK, utilities, and technical documentations
- 1x Screw kit

## Ordering Information

Part No.	Description
PM-3003-R10	PC/104 module with eight isolated DI and eight isolated DO and two channel AI

# PM-3004

PC/104 module with two isolated CAN, eight isolated DI and eight isolated DO and two channel AI

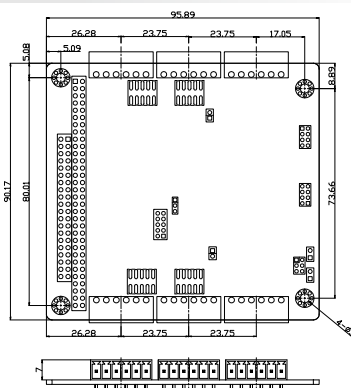


## Specifications

### System Hardware

- ◆ Bus Interface  
PC/104
- ◆ Digital Input Signals  
8-port Isolated Digital Input
  - 2000 VDC isolated protection
  - 2000 VDC ESD protection
  - 70 VDC over-voltage protection
  - 0 VDC ~ 50 VDC input range & 10 kHz speed
  - Dry contact levels (0: GND, 1: Open)
  - Wet contact levels (0: +2V Max, 1: +4V ~ +50V)
- ◆ Digital Output Signals  
8-port isolated digital output
  - 2000 VDC isolated protection
  - 2000 VDC ESD protection
  - 200 mA max/channel sink current
  - 5 VDC ~ 30 VDC output range and 10 kHz speed
- ◆ Analog Input Signals  
2-ch Thermocouple Inputs
  - JKTE type
  - Input range<sup>1</sup>  $\pm 15$  mV,  $\pm 50$  mV,  $\pm 100$  mV,  $\pm 500$  mV,  $\pm 1$  V,  $\pm 2.5$  V,  $\pm 20$  mA
  - T/C types and temperature ranges : J : 0°C ~ 760°C, K : 0°C ~ 1370°C, T : -100°C ~ 400°C, E : 0°C ~ 1000°C
- ◆ CAN Communication Interface  
2-ch Isolated CAN
  - Compatible with CAN specifications 2.0
  - 3000 VDC isolated by photo coupler for dual ports.
- ◆ Power  
Power Input: 5 VDC (4.5 W min.)
- ◆ Environmental  
Operating Temperature: 0°C ~ 60°C  
Humidity: 5 % ~ 85 % RH without condensation
- ◆ Driver Support  
Windows® 2000, Windows® XP, Windows® XPe and Windows® CE 5.0

## Dimensions (Unit : mm)



## Packing List

- 1x PM-3004
- 1x Utility CD including SDK, utilities, and technical documentations
- 1x Screw kit

## Ordering Information

Part No.	Description
PM-3004-R10	PC/104 module with two isolated CAN, eight isolated DI and eight isolated DO and two channel AI