

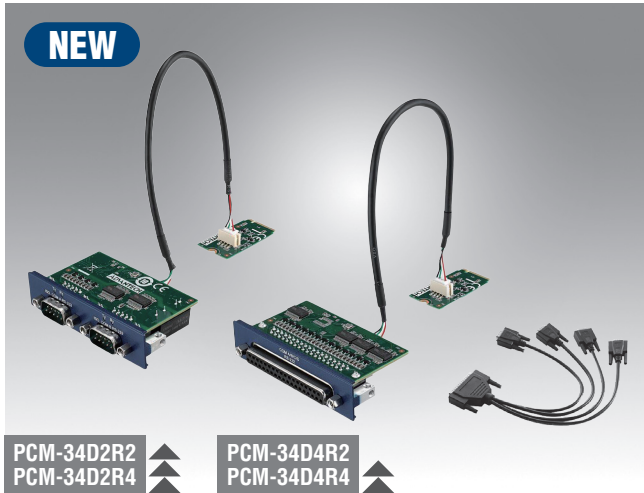
# PCM-34D2R2-AE PCM-34D2R4-AE PCM-34D4R2-AE PCM-34D4R4-AE

2-Port Isolated RS-232, M.2 B key(2242, USB), DB9

2-Port Isolated RS-422/485, M.2 B key(2242, USB), DB9

4-Port Non-Isolated RS-232, M.2 B key(2242, USB), DB37 cable

4-Port Non-Isolated RS-422/485 M.2 B key(2242, USB), DB37 cable



## Features

- Meets Advantech iDoor Technology Standard
- M.2 2242 B Key compliant (USB 2.0)
- Speeds up to 921.6 kbps for extremely fast data transmission
- Supports any baud rate setting (200 bps ~ 921.6 kbps)
- The PCM-34D2Rx (2-ports) supports Isolated Protection
- Compatible with embedded automation PC UNO-1/2/3/4 series
- Compliant with FCC/CE Class A Certification
- Operation temperature 0-60 degree support

PCM-34D2R2  
PCM-34D2R4

PCM-34D4R2  
PCM-34D4R4



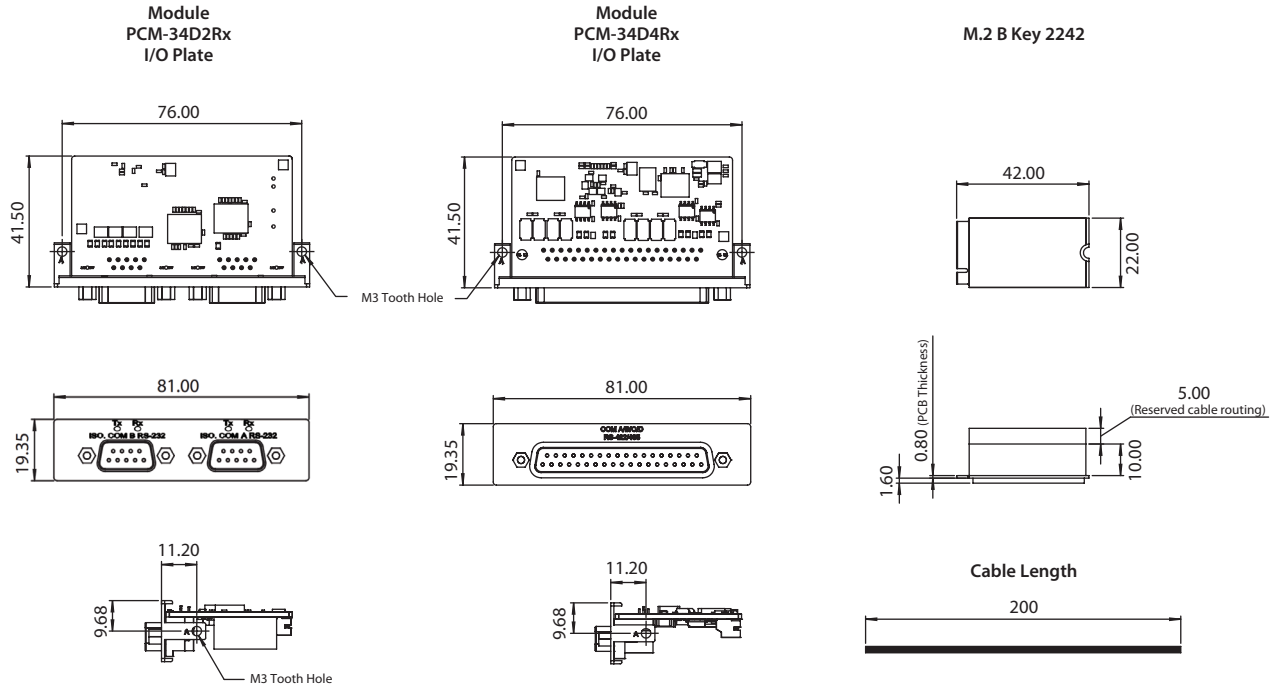
## Introduction

The PCM-34D series are COM (serial communication) ports used for connecting various devices to a computer, and are widely used for data transfer between different devices. It includes Isolated / Non-Isolated RS-232/422/485 communication cards for automation control. The iDoor Technology increases the flexibility to configure the required features for different application.

## Specifications

		PCM-34D2R2	PCM-34D2R4	PCM-34D4R2	PCM-34D4R4
<b>General</b>	Bus Type	M.2 2242 B Key compliant			
	Interface	USB2.0			
	Certification	CE, FCC class A			
	Connectors	2 x Male DB9		1 x Female DB37	
	Dimensions	Module: 42 x 22 x 12.4 mm (1.65" x 0.87" x 0.49") I/O Plate: 81 x 41.5 x 19.35 mm (3.19" x 1.63" x 0.76")			
	Power Consumption	400 mA @ +3.3 V		500 mA @ +3.3 V	
<b>Communications</b>	Data Bits	7, 8			
	Data Signals	TX, RX, RTS, CTS, DTR, DSR, DCD, RI, GND	RS-422: TX+, TX-, RX+, RX-, CTS+, CTS-, RTS+, RTS-, RS-485: Data+, Data-	TX, RX, RTS, CTS, DTR, DSR, DCD, RI, GND	RS-422: TX+, TX-, RX+, RX-, RS-485: Data+, Data-
	FIFO	4K bytes			
	Flow Control	RTS/CTS			NA
	Parity	Odd/Even/Mark/Space/No Parity			
	Speed	230.4 kbps	200 bps ~ 921.6 kbps	230.4 kbps	200 bps ~ 921.6 kbps
	Stop Bits	1/2 stop bits			
<b>Protection</b>	Isolation Protection	2,000 V <sub>DC</sub>		NA	
	ESD Protection	4 KV (Contact), 8 KV (Air)			
	EFT Protection	1,000 V			
<b>Software</b>	OS Support	Microsoft® Windows® 10/11, Ubuntu 22.04			
<b>Environment</b>	Operating Humidity	10 ~ 95% RH @ 40 °C/104 °F, non-condensing			
	Operating Temperature	0 ~ 60°C (32 ~ 140°F)			
	Storage Temperature	-20 ~ 80°C (-4 ~ 176°F)			

## Dimensions



## Ordering Information

- **PCM-34D2R2-AE** 2-Port Isolated RS-232 , M.2 B key (2242, USB), DB9 x 2
- **PCM-34D2R4-AE** 2-Port Isolated RS-422/485 , M.2 B key (2242, USB), DB9 x 2
- \* **PCM-34D4R2-AE** 4-Port Non-Isolated RS-232 , M.2 B key (2242, USB), DB37 x 1
- \* **PCM-34D4R4-AE** 4-Port Non-Isolated RS-422/485 , M.2 B key (2242, USB), DB37 x 1

Note: PCM-34D4R2-AE and PCM-34D4R4-AE include a "DB37(male) to 4 x DB9(male)" cable 1700021869-01