

# EMIO-210S

USB to 2-Ch High Speed RS-232 port Module

# EMIO-220S

USB to 2-Ch High Speed RS-422/RS-485 port Module

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## Features

- USB to 2x High Speed RS-232 port module
- Full size Mini PCIe & Module type combo
- MiniPCIe thru USB & USB Pin Header
- FIFO buffer 4K byte transfer, 4K byte receiver
- Wide temperature support

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- Wide temperature support

## Specifications

Technology	High Speed RS-232 type
Host site Interface	Combo USB (Internal/ External) Interface
Host site Connector	Internal USB port: Mini PCIe thru USB External USB port: 2.0 mm, 1x4-pins, Wafer Box
Serial COM Connector	2.0 mm, 2x10-pins, male pin header
LED Status	Power On/Off: Red LED COM-1 working: Green LED COM-2 working: Green LED
O.S Support	Windows 2000/ XP/ Vista/ 7/ 8 (32 and 64-bits), WinCE (5.0, 6.0), Linux (2.6.32 or later)
Temperature Ranges	Operation: -40 to +85° C Storage: -40 to +85° C
Dimensions (L x W x H)	50.59 x 30 x 13 mm

## Specifications

Technology	High Speed RS-422/RS-485 type
Host site Interface	Combo USB (Internal/ External) Interface
Host site Connector	Internal USB port: Mini PCIe thru USB External USB port: 2.0 mm, 1x4-pins, Wafer Box
Serial COM Connector	1.25 mm, 1x5-pins, Wafer Box
LED Status	Power On/Off: Red LED COM-1 working: Green LED COM-2 working: Green LED
O.S Support	Windows 2000/ XP/ Vista/ 7/ 8 (32 and 64-bits), WinCE (5.0, 6.0), Linux (2.6.32 or later)
Temperature Ranges	Operation: -40 to +85° C Storage: -40 to +85° C
Dimensions (L x W x H)	50.59 x 30 x 13 mm

## Ordering Information

Part No.	Product Description
EMIO-210S-MPU01E	High Speed RS-232 module, 2-Ch, USB I/F (-40 to +85° C)

## Ordering Information

Part No.	Product Description
EMIO-220S-MPU10E	High Speed RS-422/RS-485 module, 2-Ch, USB I/F, (-40 to +85° C)

## Suggested Cable

Part No.	Specifications
1701200220	Signal Cable, 2x10P-2.0mm to D-SUB 9P(M)*2, L=22cm
1700019261	Cable, 2x5P-2.0mm to 1x4P-2.0mm, L=40cm
1700021861-01	Cable, USB-A(F) to 1x4P-2.0mm, L=15cm

## Suggested Cable

Part No.	Specifications
1700019435	Signal Cable, D-SUB 9P(M) to 1x5P-1.25mm, L=25cm
1700019261	Cable, 2x5P-2.0mm to 1x4P-2.0mm, L=40cm
1700021861-01	Cable, USB-A(F) to 1x4P-2.0mm, L=15cm