



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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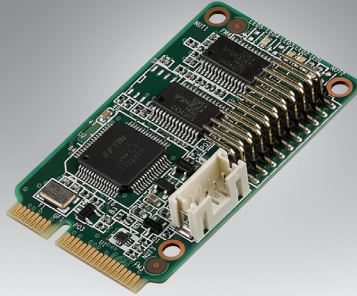
# EMIO-210S

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

# EMIO-220S

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

NEW



RoHS COMPLIANT 2002/95/EC CE FCC

## 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

## 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

## Ordering Information

Part No.	Product Description
EMIO-210S-MPU01E	High Speed RS-232 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

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## Features

- USB to 2x High Speed RS-422/RS-485 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

## 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-220S-MPU10E	High Speed RS-422/RS-485 module, 2-Ch, USB I/F, (-40 to +85° C)

## 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