

Main Features

- PCI-Express x1 Lane Bus Interface
- MiniPCIe to 8 port UART
- Software compatible to XR17C15x, XR17D15x, XR17V25x PCI UARTs
- PCIe1 Link, Dual Simplex, 2.5Gbps in each direction
- Up to 25Mbps serial data rate
- Data read/write 32-bit operation
- Industrial design, manufactured in Cadmus Taiwan

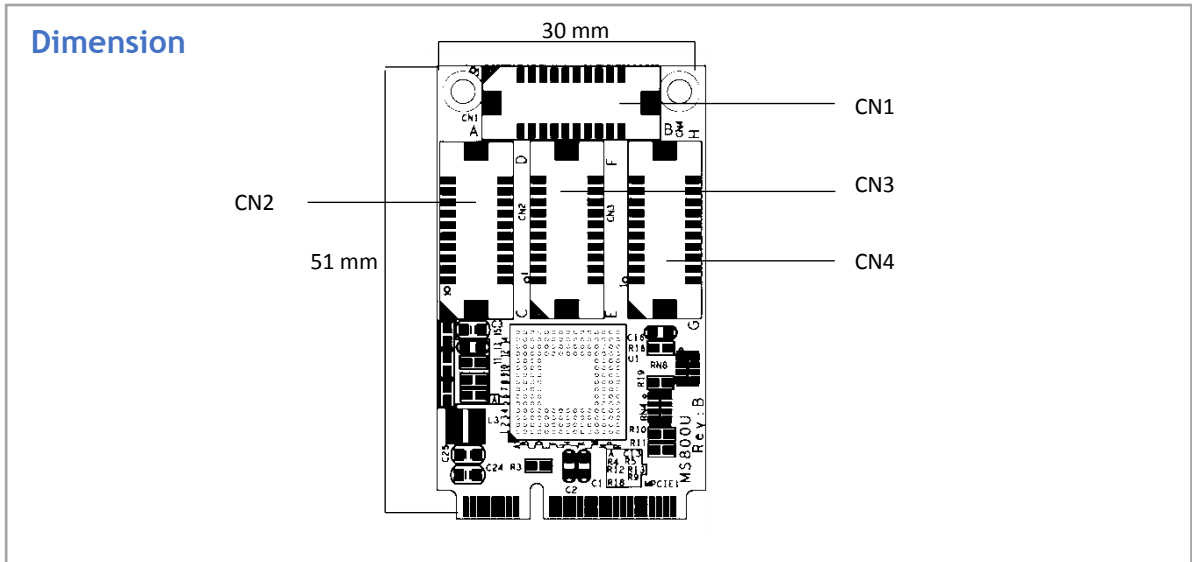
Product Overview

Cadmus's MS800U is rugged Mini PCIe modules that are ideal for adding extra serial port capabilities to any system with minimal increase in overall system size and power consumption.

MS800U offering 8 channel PCI Express (PCIe) UART (Universal Asynchronous Receiver and Transmitter), optimized for higher performance and lower power. The wide operating temperature and latching connector and cabling solution allow these modules to be used in harsh environments. Compatibility with a large variety of popular operating systems allows these boards to be easily integrated into a wide array of new and existing systems.

Specifications

Module Name	MS800U
Module Type	MiniPCIe to 8 Port UART Module
Form Factor	MiniPCIe Full Size card
Input interface	PCI Express 2.0
Output Interface	UART
Output Connector	Four 2*10 pin box header
Power input	On board 3.3V
Dimensions	51 x 30 (mm)
Transfer Speed	Data read/write 32-bit operation , up to 25 Mbps serial data rate
Compatible Operating System	Windows 7 / 8 / 8.1 / 10
	Linux 2.6.27 / 2.6.31 / 2.6.32 and newer
Working Temperature	-40°C-85°C



Pin definition

CN1

PIN	UART	PIN	UART
P1	DSR0	P2	DCD0
P3	RTS0	P4	RXD0
P5	CTS0	P6	TXD0
P7	RI0	P8	DTR0
P9	VCC3	P10	GND
P11	DSR1	P12	DCD1
P13	RTS1	P14	RXD1
P15	CTS1	P16	TXD1
P17	RI1	P18	DTR1
P19	VCC3	P20	GND

CN2

PIN	UART	PIN	UART
P1	DSR2	P2	DCD2
P3	RTS2	P4	RXD2
P5	CTS2	P6	TXD2
P7	RI2	P8	DTR2
P9	VCC3	P10	GND
P11	DSR3	P12	DCD3
P13	RTS3	P14	RXD3
P15	CTS3	P16	TXD3
P17	RI3	P18	DTR3
P19	VCC3	P20	GND

CN3

PIN	UART	PIN	UART
P1	DSR4	P2	DCD4
P3	RTS4	P4	RXD4
P5	CTS4	P6	TXD4
P7	RI4	P8	DTR4
P9	VCC3	P10	GND
P11	DSR5	P12	DCD5
P13	RTS5	P14	RXD5
P15	CTS5	P16	TXD5
P17	RI5	P18	DTR5
P19	VCC3	P20	GND

CN4

PIN	UART	PIN	UART
P1	DSR6	P2	DCD6
P3	RTS6	P4	RXD6
P5	CTS6	P6	TXD6
P7	RI0	P8	DTR6
P9	VCC3	P10	GND
P11	DSR7	P12	DCD7
P13	RTS7	P14	RXD7
P15	CTS7	P16	TXD7
P17	RI7	P18	DTR7
P19	VCC3	P20	GND

Ordering Information

MS800U

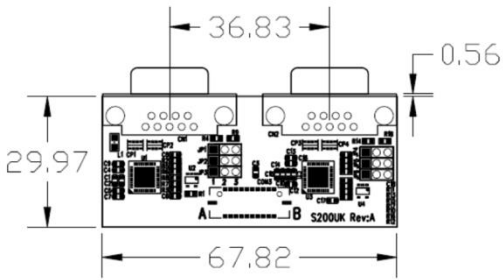
- MiniPCIe to 8 ports UART communication



Optional Accessory Kit For MS800U

S200UK

Dimension S200UK



mm

Front view



Product Feature

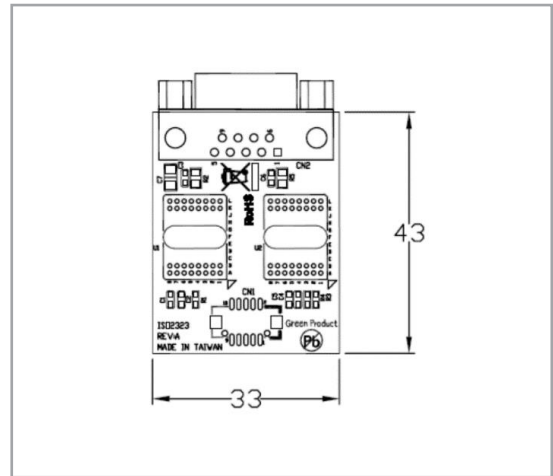
- S200UK connector board
- Support RS232, 422, 485 by jumper setting

Ordering Information

S200UK connector board

- S200UK connector board (support RS232, RS422, RS485 by jumper setting)

ISO2323



Product Feature

- Isolated RS232 Module
- Up to 10 Mbps serial data rate. 256-byte FIFOs
- Supports port-to-computer isolation, $\pm 10\text{kV}$ ESD
- Built-in 15KV ESD protection and Supports 2.5KV Isolation protection

Ordering Information

ISO2323-S

- Isolated RS232 with TX/ RX
- w/ 25cm 2 ports cable x1

ISO2323-D

- Isolated Full RS232 signal
- w/ 25cm 2 ports cable x1