

Main Features

- PCI-Express x1 Lane Bus Interface
- Mini PCIe to 8 port UART
- Additional COM port connector board and cable kit
- Software compatible to XR17C15x, XR17D15x, XR17V25x PCI UARTs
- x 1 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

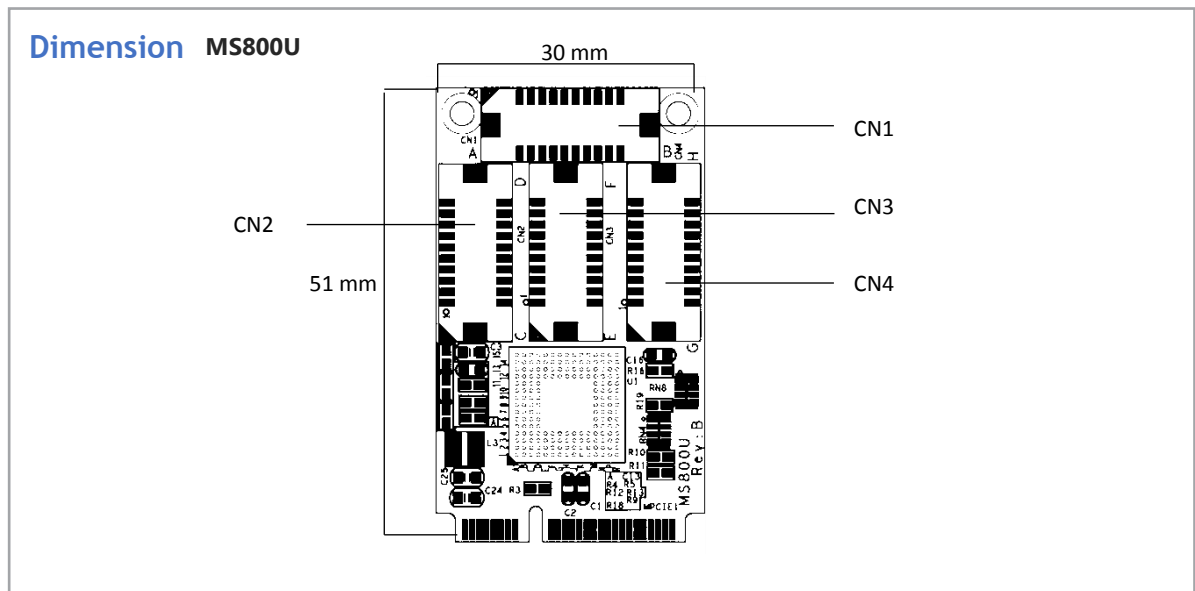
Product Overview

Cadmus's MS800UK 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.

MS800UK 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	MS800UK
Module Type	mPCIe to 8 port UART Module
Form Factor	Mini PCIe full size
Input interface	PCI Express 2.0
Output Interface	UART
Output Connector	Four 2*10 pin box header 4 x S200UK connector board
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
	Windows 8.1
	Windows 10
	Windows Server 2003 Windows Server 2008
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

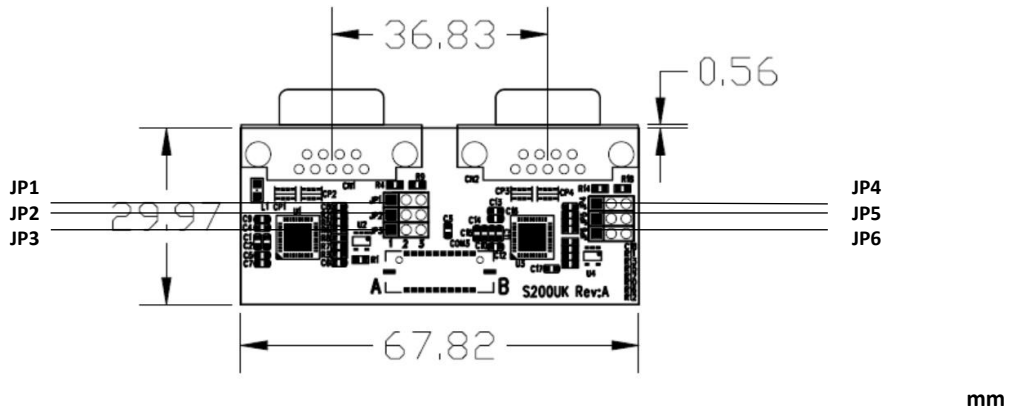
CN3

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

Dimension S200UK



Pin definition

S200UK Module Jumper setting (2 COM port connector)

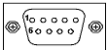
JP1~JP3 for COM1

	RS232	RS485	RS422	Dual 422
JP1	1-2	2-3	1-2	2-3
JP2	2-3	1-2	1-2	2-3
JP3	2-3	2-3	2-3	1-2

JP4~JP6 for COM2

	RS232	RS485	RS422	Dual 422
JP4	1-2	2-3	1-2	2-3
JP5	2-3	1-2	1-2	2-3
JP6	2-3	2-3	2-3	1-2

COM1 and COM2



Pin	RS232	RS485	RS422	Dual RS422
1	DCD	DATA-	TX-	TX-
2	RXD	DATA+	TX+	TX+
3	TXD		RX+	RX+
4	DTR		RX-	RX-
5	GND	GND	GND	GND
6	DSR			RTS-
7	RTS			RTS+
8	CTS			CTS+
9	RI,			CTS-

Ordering Information

MS800UK

- MiniPCIe to 8 ports RS232/422/485 communication
- 4 x S200UK connector board (RS232, 422, 485 by jumper setting)
- 4 x 25cm cable

Front view

