

### Main Features

- PCI-Express x1 Lane Bus Interface
- Mini PCIe to 4 port RS-232
- 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

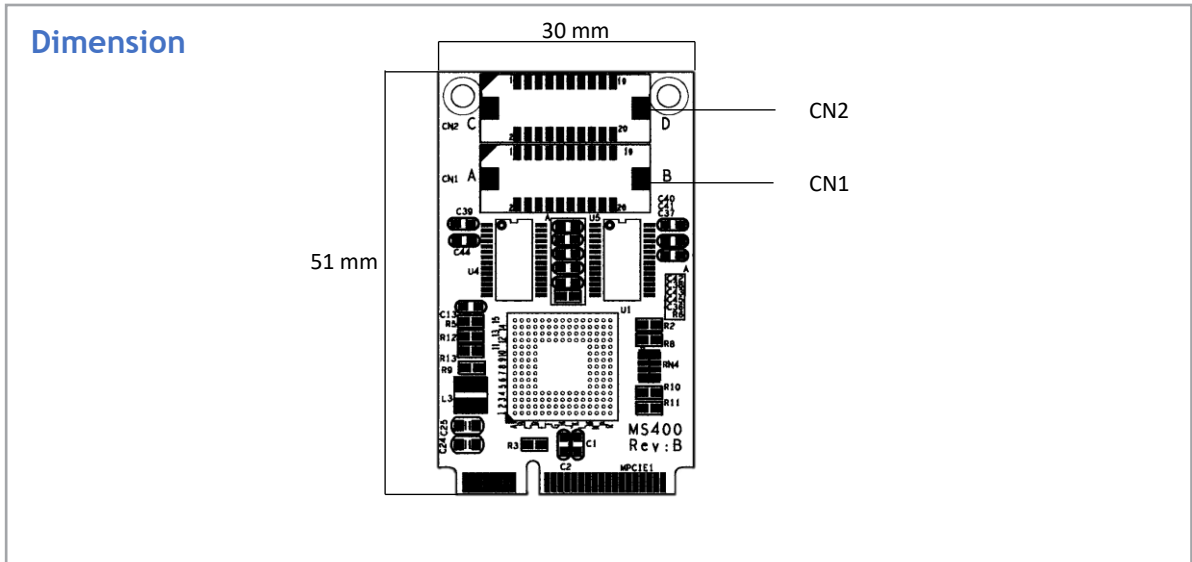
### Product Overview

Cadmus’s MS400 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.

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	MS400
Module Type	mPCIe to quad port RS232 Module
Form Factor	Mini PCIe full size
Input interface	PCI Express 2.0
Output Interface	RS232
Output Connector	Two 2*10 pin box header Two Cable with 2 *DB9 connector
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

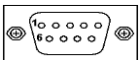
#### CN1

PIN	RS232	PIN	RS232
P1	DSR0	P2	DCD0
P3	RTS0	P4	RXD0
P5	CTS0	P6	TXD0
P7	RI0	P8	DTR0
P9	NC	P10	GND
P11	DSR1	P12	DCD1
P13	RTS1	P14	RXD1
P15	CTS1	P16	TXD1
P17	RI1	P18	DTR1
P19	NC	P20	GND

#### CN2

PIN	RS232	PIN	RS232
P1	DSR2	P2	DCD2
P3	RTS2	P4	RXD2
P5	CTS2	P6	TXD2
P7	RI2	P8	DTR2
P9	NC	P10	GND
P11	DSR3	P12	DCD3
P13	RTS3	P14	RXD3
P15	CTS3	P16	TXD3
P17	RI3	P18	DTR3
P19	NC	P20	GND

#### COM 1~4



Pin	RS232 Signal Name
1	DCD, Data carrier detect
2	RXD, Receive data
3	TXD, Transmit data
4	DTR, Data terminal ready
5	GND, ground
6	DSR, Data set ready
7	RTS, Request to send
8	CTS, Clear to send
9	RI, Ring indicator

### Ordering Information

#### MS400

- MiniPCIe to 4 ports RS232
- w/ 25cm 2 ports DB9 cable x2

### Front view

