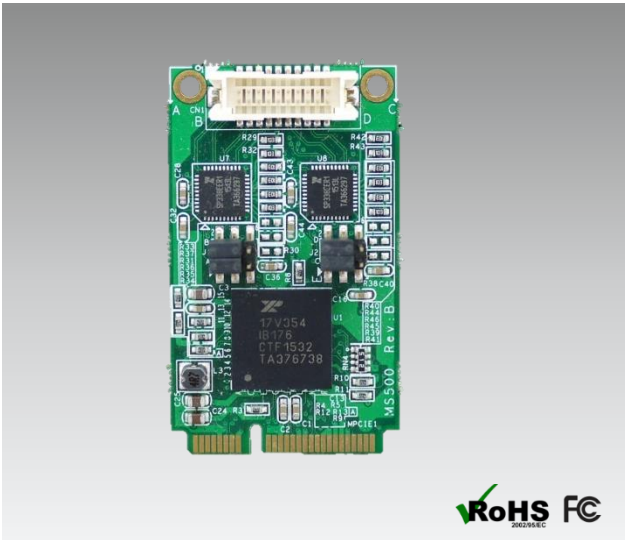




Main Features

- PCI-Express x1 Lane Bus Interface
- Mini PCIe to 4 port RS-422 or RS485
- Support Auto flow control
- 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

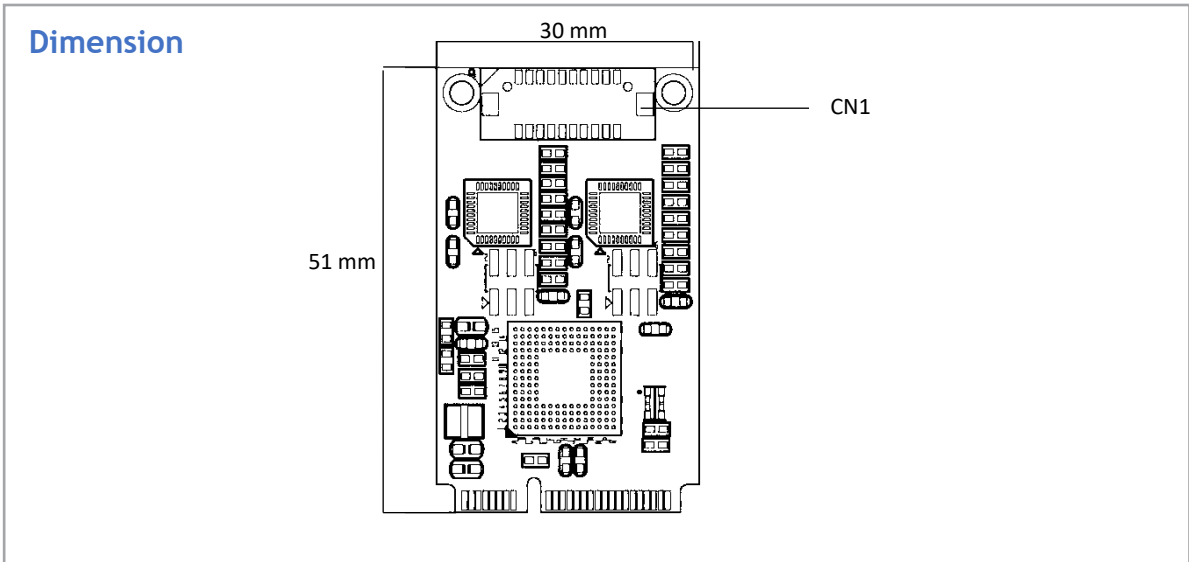
Product Overview

Cadmus’s MS500 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.

MS500 offering switchable RS-422 or 485 by jumper setting, optional isolation and full modem control signals. 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	MS500
Module Type	mPCIe to quad port RS422 or 485 Module
Form Factor	Mini PCIe full size
Input interface	PCI Express 2.0
Output Interface	RS422 or RS485
Output Connector	One 2*10 pin box header One Cable with 4 *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

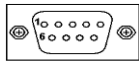


Pin definition

CN1

PIN	PORT A	PIN	PORT B
P1	DATA0-	P2	DATA1-
P3	DATA0+	P4	DATA1+
P5	RX0+	P6	RX1+
P7	RX0-	P8	RX1-
P9	GND	P10	GND
PIN	PORT C	PIN	PORT D
P11	DATA2-	P12	DATA3-
P13	DATA2+	P14	DATA3+
P15	RX2+	P16	RX3+
P17	RX2-	P18	RX3-
P19	GND	P20	GND

COM1 and COM2



Pin	RS485	RS422
1	DATA-	TX-
2	DATA+	TX+
3		RX+
4		RX-
5	GND	GND
6		
7		
8		
9		

Jumper Setting

J1

Port A Function	J1	Port B Function	J1
RS422	3-5	RS422	4-6
RS485	1-3	RS485	2-4

J2

Port C Function	J2	Port D Function	J2
RS422	3-5	RS422	4-6
RS485	1-3	RS485	2-4

Ordering Information

MS500

- MiniPCIe to 4 ports RS422 or 485
- w/ 25cm 4 ports DB9 cable
- Support auto flow control

Front view

