

Main Features

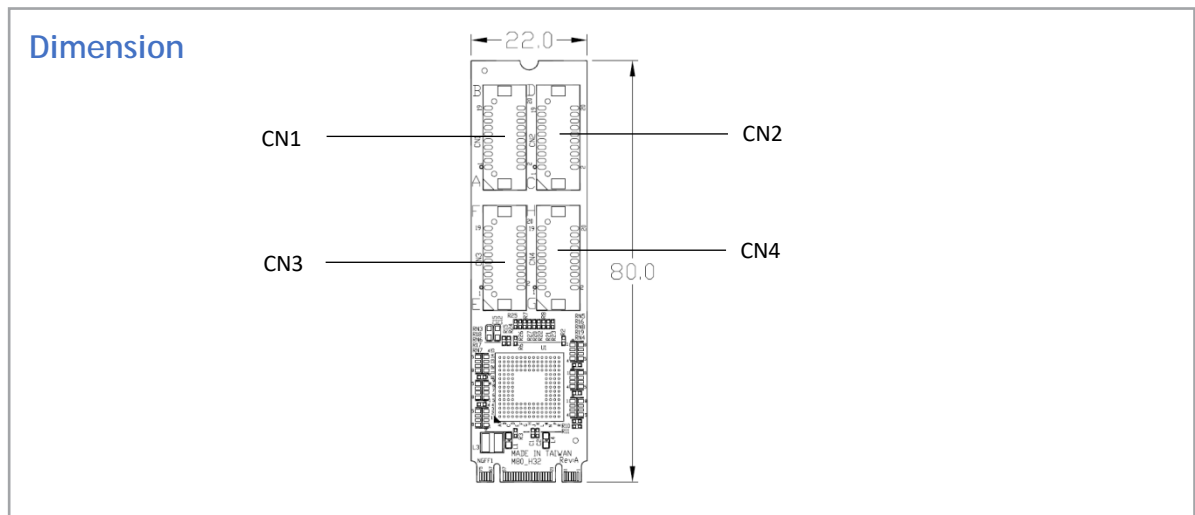
- Support M.2 2280 B+M key
- M.2 to 8 port RS232 full signal, 256-byte TX and RX FIFOs
- PCI express 2.0 compliant, dual simplex, 2.5Gbps in each direction
- Up to 31.25Mbps serial data rate
- Data read/write 32-bit operation
- Industrial design, manufactured in Cadmus Taiwan

Product Overview

Cadmus’s M80-H32 is an industrial design rugged M.2 to 8 port RS232 module that is ideal for adding extra serial port to any systems. High compatibility with a large variety of popular operating system like Windows, Linux..etc, allows these boards to be easily integrated into a wide array of new and existing systems.

Specifications

| | |
|-----------------------------|---|
| Module Name | M80-H32 |
| Module Type | M.2 to 8 port RS232 Module |
| Form Factor | M.2 2280 B+M key |
| Input interface | PCI Express 2.0 |
| Output Interface | RS232 |
| Output Connector | 4* 20pin cable with dual DB9 connector |
| Power input | On board 3.3V |
| Dimensions | 80 x 22 mm |
| Transfer speed | Data read/write 32-bit operation , up to 25 Mbps serial data rate |
| Compatible Operating System | Windows XP/ Windows Vista / Windows 7 / Windows 8 / Windows 8.1 / |
| | Windows 10 |
| Working Temperature | Linux 2.6.32 and newer |
| | -40°C-85°C |



Pin definition

| CN1 | | PIN | UART | PIN | UART |
|------------|-----|------|------|------|------|
| Port A & B | 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 | UART | PIN | UART |
|------------|-----|------|------|------|------|
| Port C & D | 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 | |

| CN3 | | PIN | UART | PIN | UART |
|------------|-----|------|------|------|------|
| Port E & F | P1 | DSR4 | P2 | DCD4 | |
| | P3 | RTS4 | P4 | RXD4 | |
| | P5 | CTS4 | P6 | TXD4 | |
| | P7 | RI4 | P8 | DTR4 | |
| | P9 | NC | P10 | GND | |
| | P11 | DSR5 | P12 | DCD5 | |
| | P13 | RTS5 | P14 | RXD5 | |
| | P15 | CTS5 | P16 | TXD5 | |
| | P17 | RI5 | P18 | DTR5 | |
| | P19 | NC | P20 | GND | |

| CN4 | | PIN | UART | PIN | UART |
|------------|-----|------|------|------|------|
| Port G & H | P1 | DSR6 | P2 | DCD6 | |
| | P3 | RTS6 | P4 | RXD6 | |
| | P5 | CTS6 | P6 | TXD6 | |
| | P7 | RI0 | P8 | DTR6 | |
| | P9 | NC | P10 | GND | |
| | P11 | DSR7 | P12 | DCD7 | |
| | P13 | RTS7 | P14 | RXD7 | |
| | P15 | CTS7 | P16 | TXD7 | |
| | P17 | RI7 | P18 | DTR7 | |
| | P19 | NC | P20 | GND | |

Ordering Information

M80-H32

- M.2 to 8 ports RS232 with full signal
- 4 x 20pin Connector Cable

