



EMP2-X404

mPCIe to Four RS-232 / 422 / 485 Module

HIGHLIGHT FEATURES

- PCIe 2.0 compliant. RS-232 / 422 / 485 mode configurable by software.
- 4800 to 3Mbps serial data rate (RS-232 921.6Kbps) serial data rate. 16C550 compatible. 256-byte FIFOs
- Full RS-232 functions with DB9 connector
- Minimize possible mechanical intervention without daughterboard
- Termination resistor enabled / disabled by DIP switch
- RI / 5V / 12V output switched by jumper
- ESD (Electrostatic Discharge) protection circuit to prevent system damage

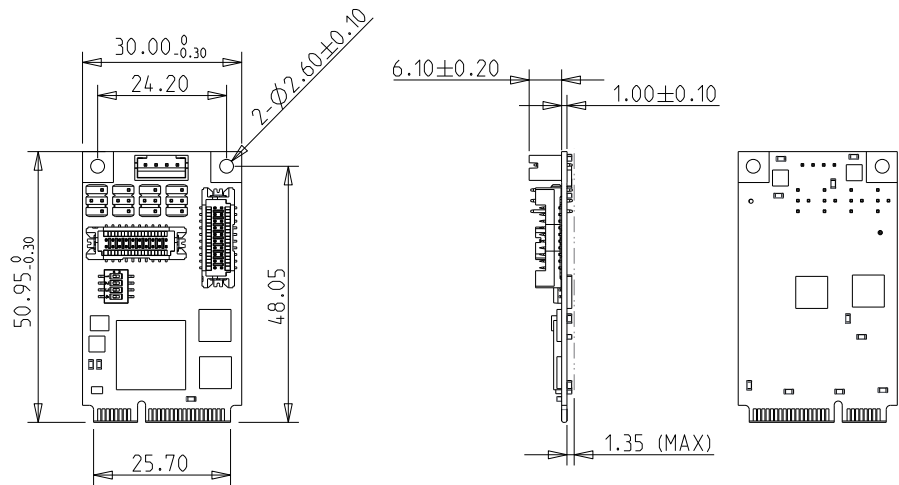
SPECIFICATIONS

Model Name	EMP2-X404
Module Type	mPCIe to four RS-232 / 422 / 485 Module
Form Factor	mPCIe
Function	Serial
Input I/F	PCI Express 2.0 x1
Output I/F	RS-232 / RS-422 / RS-485
Output Port	4
Output Connector	DB-9
Max. Power Consumption	0.5W (3.3V, 150mA)
Dimension (W x L x H/mm)	30 x 50.9 x 8
Temperature	Operation : W/T -40°C ~ 85°C (Ta) Storage : -55°C ~ 95°C (Ta)
Vibration	5G@[7~2000Hz]
Shock	50G@0.5ms
OS Support	Windows : XP (32 bit), 7 (32 / 64 bit), 8 / 8.1 (32 / 64 bit), 10, and above version, WEST7, CE7.0 Linux : Kernel 2.6.x and above.
Warranty	3 Years
Notes	Innodisk can provide Linux source for modification.

ORDER INFO.

P/N	Description
EMP2-X404-W1	mPCIe to Four RS232 / 422 / 485 Module / Wide Temperature

MECHANICAL DRAWING



TOLERANCE: ±0.15mm
UNIT: mm

PIN DEFINE

DIP Switch Setting	
OFF	Normal
ON	Termination

DIP Switch Setting	
RI	
5V	
12V	

DB9 Pin Define			
Pin	RS-232	RS-422 RS-485	RS-485
		Full Duplex	Half Duplex
1	DCD	TX-	D-
2	RX	TX+	D+
3	TX	RX+	
4	DTR	RX-	
5	GND	GND	GND
6	DSR		
7	RTS		
8	CTS		
9	RI / 5V /12V		