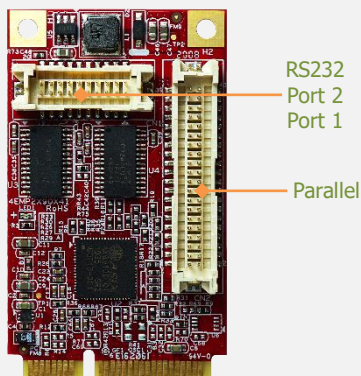
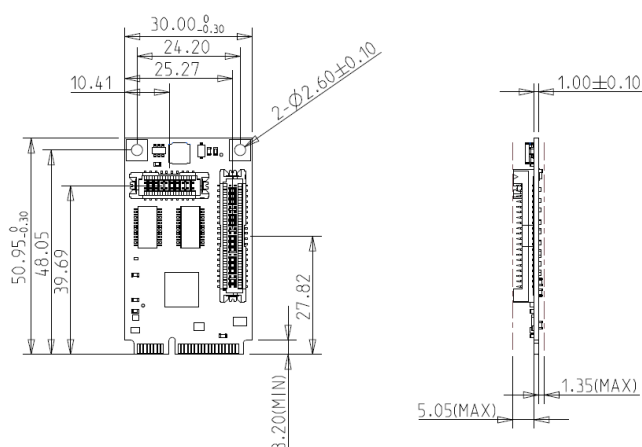


**Features**

- Compliant with PCI Express 2.0
- Two RS232 serial ports, one IEEE 1284 parallel port
- 16550 compatible. 256-byte FIFOs
- RS232
 - ✓ 4800 to 921.6Kbps serial data rate
 - ✓ 16650 UART, 256-byte deep FIFO
 - ✓ Full 9 pin RS232 functions
- Parallel
 - ✓ Compatible with IEEE 1284 – SPP/Byte/ECP Mode
- Compliant with EN61000-4-2 (ESD) Air-15kV, Contact-8kV
- 30μ" golden finger, 3-year warranty
- Industrial design, manufactured in innodisk Taiwan

Mechanical Drawing

RS232 2x10 Pin Assignment

Signal	Pin	Pin	Signal
CD_1	1	2	CD_2
RX_1	3	4	RX_2
TX_1	5	6	TX_2
DTR_1	7	8	DTR21
GND	9	10	GND
DSR_1	11	12	DSR_2
RTS_1	13	14	RTS_2
CTS_1	15	16	CTS_2
RI_1	17	18	RI_2
Shielding GND	19	20	Shielding GND

Parallel 2x20 Pin Assignment

Signal	Pin	Pin	Signal
GND	1	2	GND
GND	3	4	GND
GND	5	6	GND
GND	7	8	GND
STROBE	9	10	AUTO F
DATA0	11	12	FAULT
DATA1	13	14	INIT
DATA2	15	16	SELECTIN
DATA3	17	18	GND
DATA4	19	20	GND
DATA5	21	22	GND
DATA6	23	24	GND
DATA7	25	26	GND
ACK	27	28	GND
BUSY	29	30	GND
PAPEREND	31	32	GND
SELECT	33	34	GND
GND	35	36	GND
GND	37	38	Shielding GND
GND	39	40	Shielding GND

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Specifications

Form-Factor	mPCIe
Input I/F	PCI Express 2.0 x 1
Output I/F	RS-232 x2, Parallel x 1
Output Connector	P1.25mm 2x10pin, P1.25mm 2x20pin x 1
Power Consumption	Max: 0.7W (3.3V x 221mA)
Dimension (WxLxH)	30 x 50.9 x 6.85 mm
Temperature	Operation: W/T: -40°C ~ +85°C Storage: -55°C ~ +95°C
Environment	Vibration: 5G @7~2000Hz, Shock: 50G @ 0.5ms
Notes	Please download driver from MyInnodisk website. Windows: XP(32 bit), 7(32/64 bit), 8/8.1(32/64 bit), 10, WES7, CE7.0 Linux: Kernel 2.6.x and above

Order information

EMP2-X301-W1(Wide Temp.)

mPCIe to two RS-232 and one Parallel Module