

EXTENDED INTELLIGENCE

I/O MODULES



EMPU-3201

mPCIe to Dual USB 3.0 Module

HIGHLIGHT FEATURES

- Compliant with PCI Express Base Specification Revision 2.0
- Compliant with Universal Serial Bus 3.0 Specification Revision 1.0
- Complies with EN61000-4-2 (ESD) Air-15kV, Contact-8kV
- Supports 2 downstream USB 3.0 ports
- 30μ" golden finger, 3-year warranty.
- Industrial design, manufactured in Innodisk Taiwan

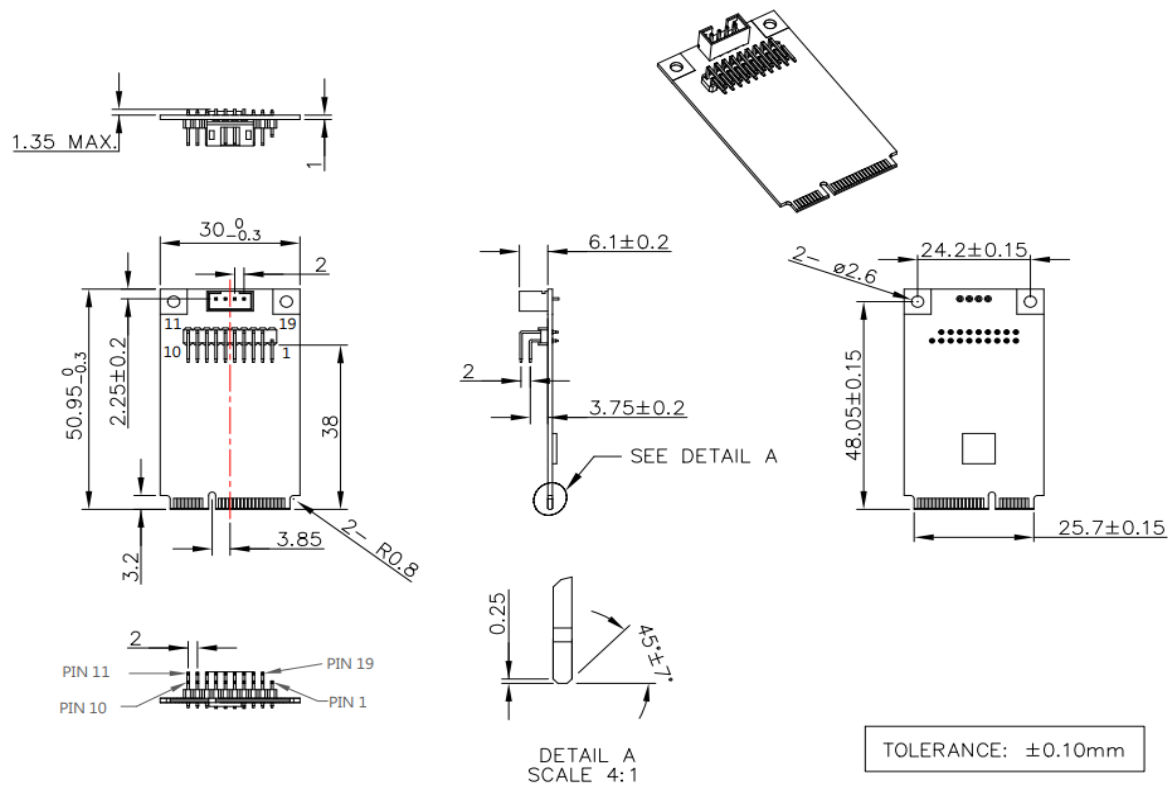
SPECIFICATIONS

Model Name	EMPU-3201
Module Type	mPCIe to Dual USB 3.0 Module
Form Factor	mPCIe
Function	Storage
Input I/F	PCI Express 2.0 x1
Output I/F	USB 3.0
Output Port	1
Output Connector	19-pin Header
Max. Power Consumption	0.89W (3.3V, 270mA)
Dimension (W x L x H/mm)	30 x 50.9 x 8.45
Temperature	Operation : S/T 0° ~ 70°C ; 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 (32bit), 7 (32 / 64bit), Vista, 10 (32 / 64bit), and above version Linux : Kernel v2.6.0, v2.6.8
Warranty	3 Years
Notes	After Win8 and Linux Kernel v2.6.31 supports built-in xHCI 1.0.

ORDER INFO.

P/N	Description
EMPU-3201-C1	mPCIe to Dual USB 3.0 Module / Standard Temperature
EMPU-3201-W1	mPCIe to Dual USB 3.0 Module / Wide Temperature

MECHANICAL DRAWING



PIN DEFINE

USB 3.0 Pin Assignment			
Signal	Pin	Pin	Signal
Vbus	1		
IntA_P1_SSRX-	2	19	Vbus
IntA_P1_SSRX+	3	18	IntA_P1_SSRX-
GND	4	17	IntA_P2_SSRX+
IntA_P1_SSTX-	5	16	GND
IntA_P1_SSTX+	6	15	IntA_P2_SSTX-
GND	7	14	IntA_P2_SSTX+
IntA_P1_D-	8	13	GND
IntA_P1_D+	9	12	IntA_P2_D-
	10	11	IntA_P2_D+