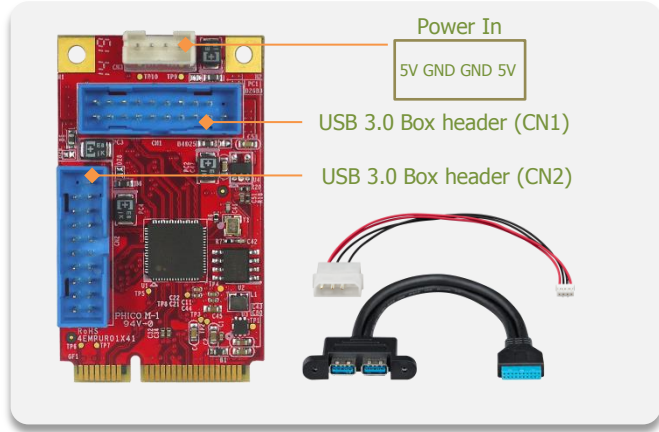


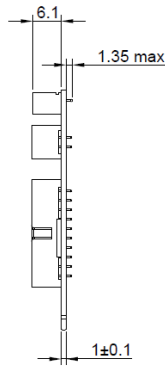
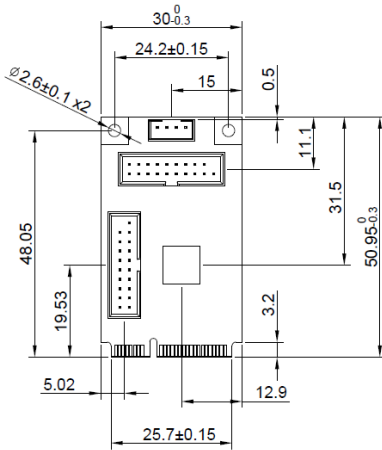
EMPU-3401 mPCIe to four USB 3.0 Module



Features

- PCI Express 2.0 to 4 x USB ports with SuperSpeed (5Gbps) data rate.
- Independent 1.5A overcurrent protection (OCP) for each port.
- Compliant with xHCI 1.0, USB 3.0 Rev 1.0.
- Two USB ports from CN1 provides limited power natively.
- Two USB ports from CN2 needs external power.
- Supports USB Battery Charging Specification Revision 1.2.
- Optional Industrial Temperature (-40°C to +85°C) support.
- 30μ golden finger, 3 years warranty.
- Industrial design, manufactured in innodisk Taiwan

Mechanical Drawing



TOLERANCE: ±0.25 mm

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+

Specifications

Headquarters (Taiwan)

5F., No.237, Sec. 1, Datong Rd.,
Xizhi Dist., New Taipei City 221,
Taiwan
Tel: +886-2-7703-3000
Email: sales@innodisk.com

Branch Offices:

USA

usasales@innodisk.com
+1-510-770-9421

Europe

eusales@innodisk.com
+31-40-3045-400

Japan

jpsales@innodisk.com
+81-45-594-7581

China

sales_cn@innodisk.com
+86-755-21673689

www.innodisk.com

© 2015 Innodisk Corporation.
All right reserved. Specifications
are subject to change without
prior notice.

June 13, 2018

Form-Factor	mPCIe
Input I/F	PCI Express 2.0
Output I/F	USB 3.0
Output Connector	19 Pin box header
TDP	1.12W (3.3V x 340mA)
Dimension (WxLxH)	30.0 x 50.9 x 8.45 mm
Temperature	Operation: STD: 0°C ~ +70°C. 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), Vista Linux: Kernel v2.6.0, v2.6.8 *After Win8 and Linux Kernel v2.6.31 supports built-in xHCI 1.0.

Order Information

EMPU-3401-C1(Standard Temp.)

EMPU-3401-W1(Wide Temp.)

mPCIe to four USB 3.0 Module