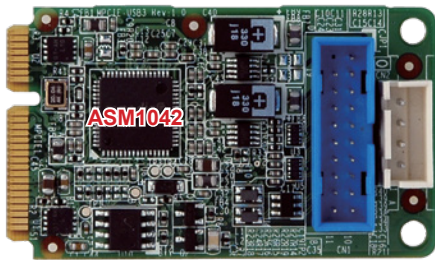


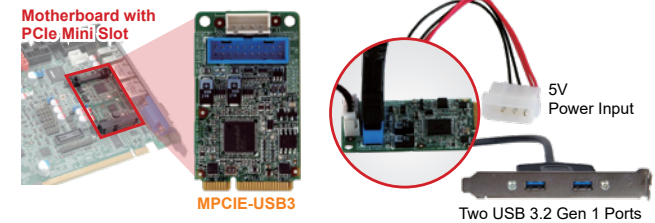
MPCIE-USB3

PCIe Mini USB 3.2 Gen 1 (5Gb/s) Adapter Card, RoHS



IEI USB 3.2 Gen 1 (5Gb/s) Expanded Solution

The MPCIE is applied to add additional super speed USB 3.2 Gen 1 (5Gb/s) ports for the motherboard with a PCIe Mini slot.



Specifications

- ◆ Form Factor
PCI Express Mini card
- ◆ USB 3.2 Gen 1 (5Gb/s) Controller
Asmedia ASM1042A
- ◆ Internal Connector
1 x box header (2x10 pin)
- ◆ Power Jack
1 x 4-pin box header
- ◆ Compatible OS
Windows® XP/Server 2003/Server 2008/Vista/7/8.1/10
Linux kernel version 2.6.32 above
- ◆ Operating Temperature
-10°C ~ 60°C
- ◆ Operating Humidity
5% ~ 95%, non-condensing
- ◆ Dimensions (LxW)
50 mm x 30 mm
- ◆ Weight
70g
- ◆ Safety: CE/FCC compliant

Packing List

1 x MPCIE-USB3 PCIe Mini USB 3.2 Gen 1 (5Gb/s) adapter card
1 x Dual USB 3.2 Gen 1 (5Gb/s) type A port cable with bracket
1 x Power cable
1 x QIG

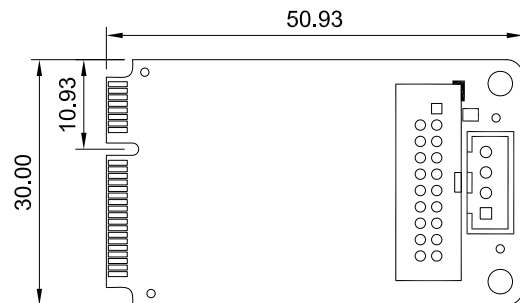
Ordering Information

Part No.	Description
MPCIE-USB3-R11	PCIe Mini USB 3.2 Gen 1 (5Gb/s) adapter card, RoHS
19800-010500-200-RS	Dual USB 3.2 Gen 1 (5Gb/s) type A port cable with bracket

Features

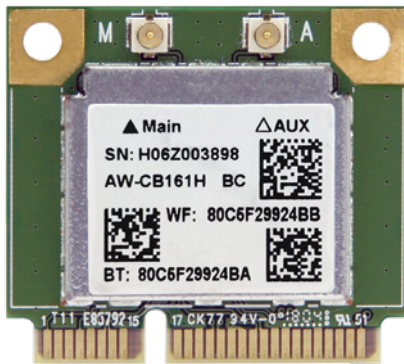
- Supports two external USB 3.2 Gen 1 (5Gb/s) type A ports
- USB 3.2 Gen 1 (5Gb/s) provides up to 5Gbps of transferring rate
- Backward compatible with USB 2.0 and USB 1.0/1.1 devices
- Fully compliant with USB 3.2 Gen 1 (5Gb/s) rev 1.0 specifications and Intel® xHCI rev 0.96 specifications, with transfer rates up to 5Gbps
- Compliant with PCI Express Mini specification 1.2

Dimensions (mm)



EMB-WIFI-KIT

PCIe Mini card wireless LAN module kit



Features

- Half size PCIe Mini card form factor
- High speed wireless connection up to 433.3Mbps transmit/receive PHY rate using 80MHz bandwidth
- Low power consumption and high performance
- Fully qualified Bluetooth 4.0
- Solid design with external antenna diversity

Ordering Information

Part No.	Description
EMB-WIFI-KIT01-R20	1T1R wifi module kit for embedded system, IEEE802.11a/b/g/n/ac WiFi with Bluetooth 4.0/3.0+HS, 1 x wifi module, 2 x 250mm RF cable, 2 x Antenna, RoHS
EMB-WIFI-KIT11-R20	1T1R wifi module kit for embedded system, IEEE802.11a/b/g/n/ac WiFi with Bluetooth 4.0/3.0+HS, 1 x wifi module, 2 x 400mm RF cable, 2 x Antenna, RoHS

Specifications

Model Name	EMB-WIFI-KIT
Standard	IEEE 802.11a/b/g/n/ac, Wi-Fi compliant / Bluetooth4.0 Standard
Major chipset	Realtek RTL8821AE
Antenna	2x standard U.FL Connector
Frequency range	Wi-Fi: 2.4GHz/5GHz, BT: 2402MHz~2483MHz
Modulation	Wi-Fi: 802.11a/g/n/ac: OFDM 802.11b: CCK(11, 5.5Mbps), DQPSK(2Mbps), BPSK(1Mbps)
Receive Sensitivity	Wi-Fi: 802.11a: less than -65 dBm (54M) 802.11b: less than -76 dBm (11M) 802.11g: less than -65 dBm (54M) 802.11n @2.4GHz: less than -64 dBm (HT20 MCS7) 802.11n @2.4GHz: less than -61 dBm (HT40 MCS7) 802.11n @5GHz: less than -64 dBm (HT20 MCS7) 802.11n @5GHz: less than -61 dBm (HT40 MCS7) 802.11ac @5GHz: less than -51 dBm (VHT80 MCS9) BT: BER < 0.1% (Anritsu 8852B Tx -70 dBm)
Driver support	Windows 7/8/10, Linux kernel 3.18
Temperature	0°C ~ 70°C
Dimensions	29.85mm x 26.65mm x 1.5mm
Weight	NW: 3.28g