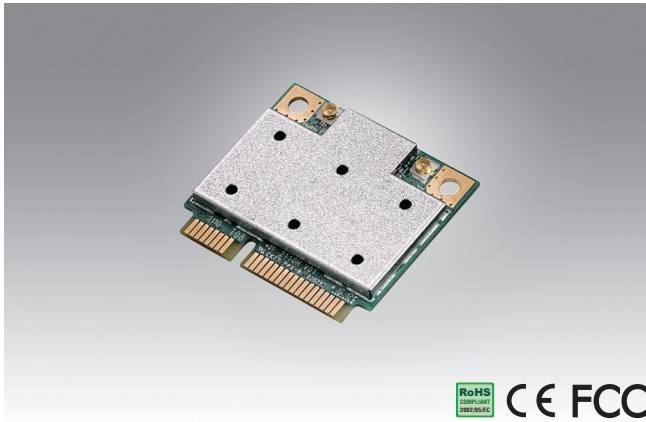


EWM-W161H

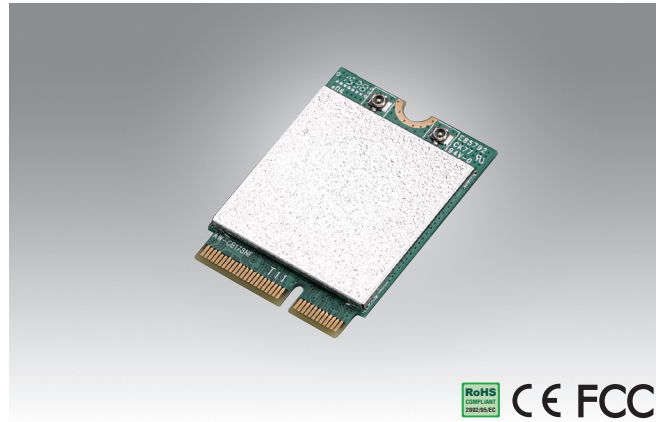
802.11 a/b/g/n + Bluetooth 4.0
Half-size Mini PCIe Card

EWM-W162M2

802.11 ac/a/b/g/n + Bluetooth 4.2
M.2 2230 (E-Key) Card



RoHS
2002/95/EC
CE FCC



RoHS
2002/95/EC
CE FCC

Features

- IEEE 802.11 a/b/g/n + Bluetooth 4.0 HS standard
- 2Tx/ 2Rx
- Up to 300 Mbps data rate
- 64/128 bit WEP, 802.1x, TKIP and AES
- Operating temperature: -10 to 70 °C

Features

- IEEE 802.11 ac/a/b/g/n + Bluetooth 4.2 HS standard
- 2Tx/ 2Rx
- 64/128 bit WEP, 802.1x, TKIP and AES
- Operating temperature: -30 to 85 °C

Specifications

| | |
|------------------------|---------------------------------|
| Main Chipset | Atheros AR9462 |
| Tx/Rx | 2Tx/ 2Rx (2 U.FL connectors) |
| Standard Conformance | 802.11 a/b/g/n |
| Form Factor | Half-size Mini PCIe card |
| Interface | WiFi: PCI-E, Bluetooth: USB |
| Operation Voltage | DC 3.3V ±5% |
| Power Consumption | WiFi Continue TX: 445 mW (Avg.) |
| Security | 64/128 bit WEP |
| O.S Supported | Windows 7/8/8.1/10 |
| Temperature Ranges | Operation: -10 to 70 °C |
| Dimensions (L x W x H) | 26.65 x 29.85 x 3.95 mm |

Specifications

| | |
|------------------------|--|
| Main Chipset | Marvell 88W8897P |
| Tx/Rx | 2Tx/ 2Rx (2 U.FL connectors) |
| Standard Conformance | 802.11 ac/a/b/g/n |
| Form Factor | M.2 2230, E-key card |
| Interface | WiFi: PCI-E, Bluetooth: USB |
| Operation Voltage | DC 3.0 - 3.3V |
| Power Consumption | Continue TX: 345mA (Avg.), (BT is off) |
| Security | 64/128 bit WEP |
| O.S Supported | Linux |
| Temperature Ranges | Operation: -30 to 85 °C |
| Dimensions (L x W x H) | 22 x 30 x 0.8 mm |

Ordering Information

| Part No. | Product Description |
|--------------|---|
| EWM-W161H01E | Advantech Brand, 802.11 a/b/g/n, Atheros AR9462, 2T2R, w/ BT4.0, Half-size Mini PCIe Card |

Ordering Information

| Part No. | Product Description |
|---------------|---|
| EWM-W162M201E | Advantech Brand, 802.11 ac/a/b/g/n, Marvell 88W8897P, 2T2R, w/ BT4.2 (Low energy operation) |

Suggested Antenna and Cable

| Part No. | Specifications |
|------------|---------------------------------------|
| 1750002842 | WiFi 2.4 GHz and 5 GHz dipole Antenna |
| 1750006043 | WiFi Coaxial Cable, 150 mm |
| 1750006010 | WiFi Coaxial Cable, 200 mm |
| 1750005885 | WiFi Coaxial Cable, 230 mm |

Suggested Antenna and Cable

| Part No. | Specifications |
|---------------|--|
| 1750002842 | WiFi 2.4 GHz and 5 GHz dipole Antenna |
| 1750007965-01 | WiFi Coaxial Cable, SMA (M) to MHF4, 30 mm |