

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



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

Specifications

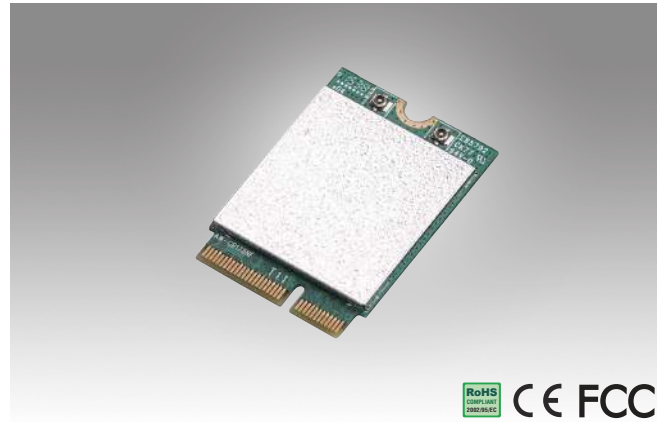
Main Chipset	Atheros AR9462
Tx/Rx	2Tx/ 2Rx (2 U.FL connectors)
Standard Conformance	802.11 a/b/g/n
Form Factor	Half-size Mini PCIe card
Interface	WiFi: PCI-E, Bluetooth: USB
Operation Voltage	DC 3.3V ±5%
Power Consumption	WiFi Continue TX: 445 mW (Avg.)
Security	64/128 bit WEP
O.S Supported	Windows 7/8/8.1/10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

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

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



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	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-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
1750007965-01	WiFi Coaxial Cable, SMA (M) to MHF4, 30 mm