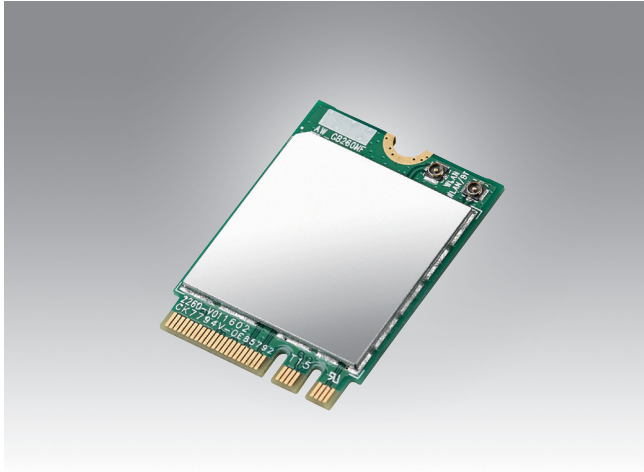# EWM-W163M2

## 802.11 ac/a/b/g/n + Bluetooth 4.1 M.2 2230 (A-E Key) Card

### Features

- IEEE 802.11 ac/a/b/g/n + Bluetooth 4.1 HS standard
- 2Tx/ 2Rx
- 64/128 bit WEP, 802.1x, TKIP and AES
- Operating temperature: -20 to 65 °C

RoHS COMPLIANT 2002/95/EC  CE  FCC

## Specifications

| | |
|---|---|
| Main Chipset | QCA6174A |
| Tx/Rx | 2Tx/ 2Rx (2 IPEX MHF4 connector Receptacle) |
| Standard Conformance | 802.11 ac/a/b/g/n |
| Form Factor | M.2 2230, A-E Key card |
| Interface | WIFI: PCI-E, Bluetooth: USB |
| Operation Voltage | DC 3.0 ~ 3.3V |
| Power Consumption | Continue TX: 537mA (Avg.), (BT off, BW 80MHz) |
| Security | 64/128 bit WEP |
| O.S Supported | Windows 7/8.x/10 |
| Temperature Ranges | Operating Temperature: -20 ~ 65°C<br>Extended Operating Temperature: -20 ~ 85°C<br>(There will be 30~50 Mbps reduced throughput at some data rate at 85°C) |
| Dimensions (L x W x H) | 22 x 30 x 2.2 mm |

## Ordering Information

| Part No. | Product Description |
|---|---|
| EWM-W163M201E | Advantech Brand, 802.11 ac/a/b/g/n, QCA6174A, 2T2R, w/ BT4.1 (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 |