

AIW-172BQ

IEEE 802.11be/ax/ac/a/b/g/n +
Bluetooth 6.0 Wi-Fi 7 Solution



Features

- 6GHz support
- IEEE 802.11 be/ax/ac/b/g/n + Bluetooth 6.0
- Multi-Link Single Radio (MLSR) support
- 2Tx/ 2Rx
- Operating temperature: 0~70°C
- Compatible with Qualcomm AIoT Platforms

Specifications

Main Chipset	QCC2072
Tx/Rx	2Tx/ 2Rx (2 IPEX MHF4 connector Receptacle)
Standard Conformance	Wi-Fi 7 + Bluetooth V6.0 (TBC), V5.3, 5.0, 4.2, V4.1, V4.0LE, V3.0, V2.1+EDR
Form Factor	M.2 2230 E Key
Interface	Wi-Fi: PCI-E, Bluetooth: USB
Operation Voltage	DC 3.3V
Power Consumption	TX mode: 1.486A (Max) RX mode: 1.434A (Max)
O.S Supported	Windows 11/Linux
Temperature Ranges	Operation: 0 ~ 70 °C
Dimensions (L x W x H)	30mm(±0.15mm) x 22mm(±0.15mm) x 3.5mm(±0.3mm)

Ordering Information

Part No.	Product Description
AIW-172BQ-GC1	Advantech Wi-Fi 7+BT6, Qualcomm QCC2072, 2T2R, M.2 2230 E Key (Wi-Fi: PCIe/BT:USB)

Suggested Antenna and Cable

Model	Part No.	Specifications
AIW-512	1751000651-01	Omni-directional radiation pattern, compatible for WiFi5/6/6E/7
AIW-513	1751000717-01	Omni-directional radiation pattern, compatible for WiFi5/6/6E/7, IP67 level
	1751000648-01	WiFi Coaxial Cable, 10cm, RP-SMA female to IPEX4
	1751000622-01	WiFi Coaxial Cable, 15cm, RP-SMA female to IPEX4
	1751000635-01	WiFi Coaxial Cable, 20cm, RP-SMA female to IPEX4
	1751000621-01	WiFi Coaxial Cable, 25cm, RP-SMA female to IPEX4
	1751000620-01	WiFi Coaxial Cable, 30cm, RP-SMA female to IPEX4