AIW-170BQ

IEEE 802.11ax/ac/b/g/n + Bluetooth 5.3 M.2 2230 (E-Key) Card

Features

- SoftAP mode support
- Bluetooth 5.3
- 2Tx/ 2Rx
- 64/128 bit WEP, WPA, WPA2, WPA3, 802.1x
- Operating temperature: -40 to 85 °C
- Compatible with Nvidia and NXP platforms
- DBDC support (Dual band dual concurrent)

Specifications

Main Chipset	WCN6856/QCA2066
Tx/Rx	2Tx/ 2Rx (2 IPEX MHF4 connector Receptacle)
Standard Conformance	Wi-Fi 6E + BT5.3
Form Factor	M.2 2230, E-key card
Interface	Wi-Fi: PCI-E, Bluetooth: USB
Operation Voltage	DC 3.0 ~ 3.3V
Power Consumption	TX Mode: 632mA (Average)
Security	64/128 bit WEP, WPA, WPA2, WPA3, 802.1x
O.S Supported	Windows/Linux
Temperature Ranges	Operation: -40 to 85 °C
Dimensions (L x W x H)	22 x 30 x 2.2 mm

Ordering Information

Part No.	Product Description
AIW-170BQ-001	Advantech Brand, Wi-Fi 6E + BT 5.3, WCN6856/QCA2066, 2T2R, M.2 2230 E key

Suggested Antenna and Cable

Part No.	Specifications
1751000433-01	Wi-Fi 2.4GHz, 5GHz and 6GHz IP65 dipole Antenna
1751000489-01	Wi-Fi Coaxial IP65 Cable, RP SMA(M) to MFH4, L:250mm
1750007965-01	Wi-Fi Coaxial Cable, SMA (M) to MHF4, L: 300mm
1751000460-01	Wi-Fi Trial band 2.4G, 5G and 6G dipole antenna

All product specifications are subject to change without notice.

Last updated: 19-Jul-2023