

AIW-171HQ

IEEE 802.11ax/ac/b/g/n + Bluetooth 5.3 Half-Size MiniPCle Card



IC CE FCC

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 | MiniPCle |
| 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) | 29.85 x 26.65 x 4.2 mm |

Ordering Information

| Part No. | Product Description |
|---------------|---|
| AIW-171HQ-001 | Advantech Brand, Wi-Fi 6E + BT 5.3, WCN6856/QCA2066, 2T2R, Half-size MiniPCle |

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 |
| | 1751000647-01 | WiFi Coaxial Cable, 10cm, RP-SMA female to IPEX1 |
| | 1751000627-01 | WiFi Coaxial Cable, 15cm, RP-SMA female to IPEX1 |
| | 1751000634-01 | WiFi Coaxial Cable, 20cm, RP-SMA female to IPEX1 |
| | 1751000626-01 | WiFi Coaxial Cable, 25cm, RP-SMA female to IPEX1 |
| | 1751000588-01 | WiFi Coaxial Cable, 30cm, RP-SMA female to IPEX1 |