AIW-168

IEEE 802.11 ax (2.4GHz/5GHz/6GHz) + BT5.3 M.2 2230 (E key)

Features

- Wi-Fi 6E + BT 5.3
- Support MU-MIMO (uplink/downlink)
- Security support for WFA, WPA/WPA2/WPA3 personal, WPS2.0, WAPI
- Operating temperature: -10~ +70°C
- 2Tx/2Rx

Specifications

Main Chipset	MTK 7922
Tx/Rx	2Tx/ 2Rx (2 IPEX MHF4 connector Receptacle)
Standard Conformance	IEEE 802.11 ax (2.4GHz/5GHz/6GHz) + BT 5.3
Form Factor	M.2 2230, E Key
Interface	Wi-Fi: PCIe, Bluetooth: USB
Operation Voltage	DC 3.3 V
Security	- 64-bit WEP (WEP-40) and 128-bit WEP (WEP-104) encryption with hardware TKIP and CKIP processing - AES-CCMP hardware processing - GCMP hardware processing - SMS4-WPI (WAPI) hardware processing
O.S Supported	Windows 11
Temperature Ranges	Operating Temperature: -10 ~ +70°C
Dimensions (L x W x H)	22 x 30 x 2.3 mm

Ordering Information

Part No.	Product Description
AIW-168BM	Advantech Brand, Wi-Fi 6E + BT5.3, MTK7922, 2T2R, PCIe-USB, M.2 2230 E Key

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

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