

# AIW-168

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



CE FCC RoHS

## 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	<ul style="list-style-type: none"><li>▪ 64-bit WEP (WEP-40) and 128-bit WEP (WEP-104) encryption with hardware TKIP and CKIP processing</li><li>▪ AES-CCMP hardware processing</li><li>▪ GCMP hardware processing</li><li>▪ SMS4-WPI (WAPI) hardware processing</li></ul>
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

Part No.	Specifications
1750007965-01	WiFi Coaxial Cable, SMA (M) to MHF4, 300 mm
1751000342-01	Wi-Fi Tri-Band Antenna (2.4GHz/5GHz/6GHz) 19cm
1751000460-01	Wi-Fi Tri-Band Antenna (2.4GHz/5GHz/6GHz) 11cm