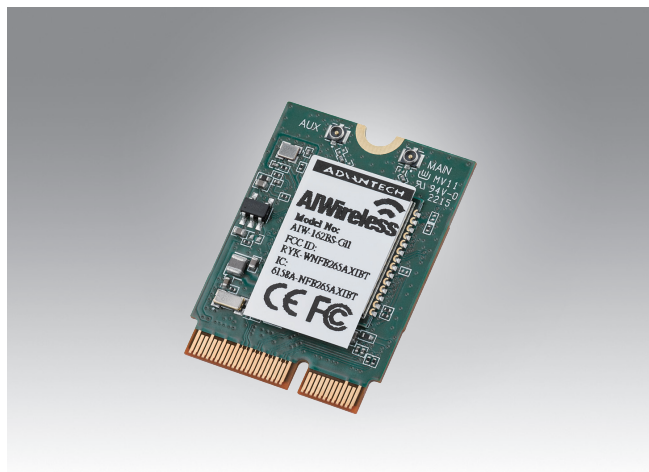# AIW-162BS

IEEE 802.11ax/ac/a/b/g/n + Bluetooth 5.0 M.2 2230 E key Card

IC CE FCC

Features

- Perfectly fit for Rockchip platform
- Bluetooth 5.0
- 2Tx/ 2Rx
- 64/128 bit WEP, WPA, WPA2, WPA3, 802.1x
- Operating temperature: -40 to 85 °C

Specifications

Main Chipset	Broadcom BCM43752
Tx/Rx	2Tx/ 2Rx (2 IPEX MHF1 connector Receptacle)
Standard Conformance	Wi-Fi 6 + BT5.0
Form Factor	M.2 E key
Interface	Wi-Fi: PCIe, Bluetooth: UART
Operation Voltage	DC 3.0 ~ 3.3V
Power Consumption	TX Mode: 660mA (Max)
Security	64/128 bit WEP, WPA, WPA2, WPA3, 802.1x
O.S Supported	Linux/Android
Temperature Ranges	Operation: -40 to 85 °C
Dimensions (L x W x H)	30 x 22 x 2.8 mm

Ordering Information

Part No.	Product Description
AIW-162BS-GI1	Advantech Brand, Wi-Fi 6 + BT 5.0, BCM43752, 2T2R, 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

Last updated: 20-Feb-2025