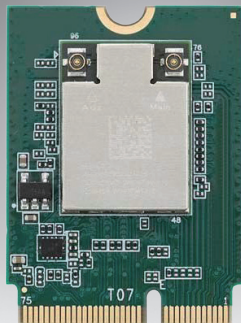


AIW-154

802.11ac/a/b/g/n and BT 5.0 M.2 2230 Module



Features

- IEEE 802.11ac/a/b/g/n (2.4 and 5GHz) and Bluetooth 5.0
- Supports MU-MIMO (2T2R)
- Wide operating temperature -30 ~ 85 °C (-22 ~ 185 °F)
- Supports Linux OS
- M.2 2230 form factor module (L x W x H) 30 x 22 x 2.85 mm/
1.18 x .86 x .11 in

Introduction

Advantech's AIW-154BN is an industrial grade wireless module. It integrates Wi-Fi, Bluetooth, and low energy technology; and is an excellent solution for applications in medical devices, handheld solutions, industrial environments, embedded boards, and transportation.

Specifications

Main Chipset	NXP 88W8997
Tx/Rx	2TX / 2RX
Standard Conformance	IEEE 802.11ac/a/b/g/n, Bluetooth 5.0
Form Factor	M.2 2230
Interface	Wi-Fi: PCIe BT: UART
Operating Voltage	DC 3.3V
Security	<ul style="list-style-type: none">▪ WAPI▪ WEP 64-bit and 128-bit encryption with H/W TKIP processing▪ WPA/WPA2/WPA3 (Wi-Fi Protected Access)▪ AES-CCMP hardware implementation as part of 802.11i security standard
OS Supported	Linux (open source), Recommend Kernel V4.0 and above.
Operating Temperature	-30 ~ 85 °C (-22 ~ 185 °F)
Dimensions (L x W x H)	30 x 22 x 2.85 mm/1.18 x .86 x .11 in

Ordering Information

Part No.	Product Description
AIW-154BN	IEEE 802.11ac/a/b/g/n, Bluetooth 5.0, 2T2R, M.2 2230 PCIe/UART Module

Suggested Antenna and Cable

Part No.	Specifications
1750007965-01	Wi-Fi coaxial cable, RP-SMA (F) to MHF4, 300mm
1750008717-01	Wi-Fi 2.4 GHz and 5 GHz Dipole Antenna