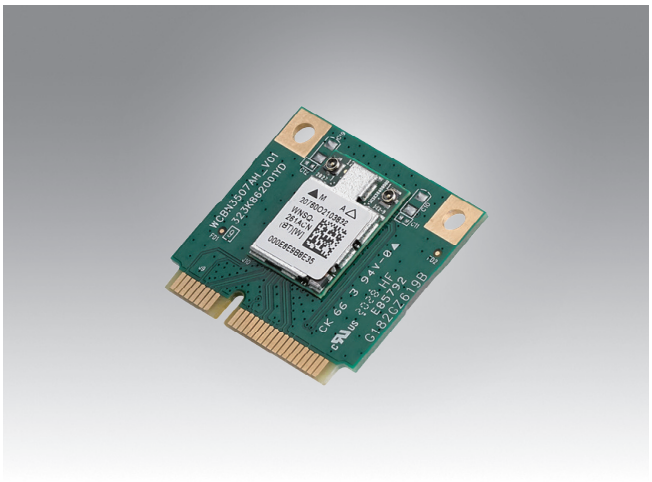
EWM-W193H01E

802.11 ac/a/b/g/n + BT 5.0
Half Mini-PCIe Module



IC CE FCC

Features

- IEEE 802.11ac/a/b/g/n (2.4GHz & 5GHz) and Bluetooth 5.0
- Supports MU-MIMO (2T2R)
- Supports operation in wide temperatures ranges 0 ~ 70 °C (32 ~ 158 °F)
- Supports Windows and Linux OS
- Half-size Mini-PCIe form factor module (30 x 26.8 x 2.5 mm/1.18 x 1.05 x .09 in)

Introduction

Advantech's EWM-W193H01E is a professional wireless module. It integrates Wi-Fi, Bluetooth, and low energy technology. It is an excellent solution for applications in medical devices, handheld solutions, industrial environments, embedded boards, and transportation.

Specifications

Main Chipset	Realtek RTL8822CE-CG
Tx/Rx	2TX / 2RX
Standard Conformance	IEEE 802.11ac/a/b/g/n, Bluetooth 5.0
Form Factor	Half Mini-PCIe
Interface	Wi-Fi: PCIe BT: USB
Operating Voltage	DC 3.3V
Security	▪ WAPI ▪ WEP 64-bit and 128-bit encryption with H/W TKIP processing ▪ WPA/WPA2 (Wi-Fi Protected Access) ▪ AES-CCMP hardware implementation as part of 802.11i security standard
OS Supported	Windows 10, Linux (Open Source), Recommend Kernel v4.0 and above
Operating Temperature	0 ~ 70 °C (32 ~ 158 °F)
Dimensions (L x W x H)	30 x 26.8 x 2.5 mm/ 1.18 x 1.05 x .09 in (± 0.3 mm / ± .011 in)

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Ordering Information

Part No.	Product Description
EWM-W193H01E	IEEE 802.11ac/a/b/g/n, Bluetooth 5.0, 2T2R, Half Mini-PCIe Module

Suggested Antenna and Cable

Part No.	Specifications
1750007965-01	Antenna Cable R/P SMA (M) to MHF4, 300mm
1750008717-01	Wi-Fi 2.4GHz+5GHz dipole antenna

All product specifications are subject to change without notice.

Last updated: 15-Feb-2022