

# EWM-W180H01E

## IEEE 802.11ac/a/b/g/n + Bluetooth 5.0 Half-Size MiniPCle Card



IC CE FCC

### Features

- USB interface in minPCle form factor
- Bluetooth 5.0
- 2Tx/ 2Rx
- 64/128 bit WEP, WPA, WPA2, WPA3, 802.1x
- Operating temperature: -20 to 70 °C

### Specifications

Main Chipset	Realtek RTL8822CU
Tx/Rx	2Tx/ 2Rx (2 IPEX MHF1 connector Receptacle)
Standard Conformance	Wi-Fi 5 + BT5.0
Form Factor	MiniPCle
Interface	Wi-Fi: USB, Bluetooth: USB
Operation Voltage	DC 3.0 ~ 3.3V
Power Consumption	TX Mode: 600mA (Max)
Security	64/128 bit WEP, WPA, WPA2, WPA3, 802.1x
O.S Supported	Windows/Linux/Android
Temperature Ranges	Operation: -20 to 70 °C
Dimensions (L x W x H)	29.9 x 26.6 x 3 mm

### Ordering Information

Part No.	Product Description
EWM-W180H01E	Advantech Board, Wi-Fi 5 + BT 5.0, RTL8822CU, 2T2R, Half-size MiniPCle

### Suggested Antenna and Cable

Part No.	Specifications
1751000433-01	Wi-Fi 2.4GHz, 5GHz and 6GHz IP65 dipole Antenna
1750005885	Wi-Fi Coaxial Cable, SMA (M) to MHF1, L: 230mm
1751000460-01	Wi-Fi Trial band 2.4G, 5G and 6G dipole antenna
1750008717-01	Wi-Fi 2.4GHz and 5GHz dipole antenna