

# 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 Brand, Wi-Fi 5 + BT 5.0, RTL8822CU, 2T2R, Half-size MiniPCle

### 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
	1751000647-01	WiFi Coaxial Cable, 10cm, RP-SMA female to IPEX1
	1751000627-01	WiFi Coaxial Cable, 15cm, RP-SMA female to IPEX1
	1751000634-01	WiFi Coaxial Cable, 20cm, RP-SMA female to IPEX1
	1751000626-01	WiFi Coaxial Cable, 25cm, RP-SMA female to IPEX1
	1751000588-01	WiFi Coaxial Cable, 30cm, RP-SMA female to IPEX1