

# 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

| 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            |