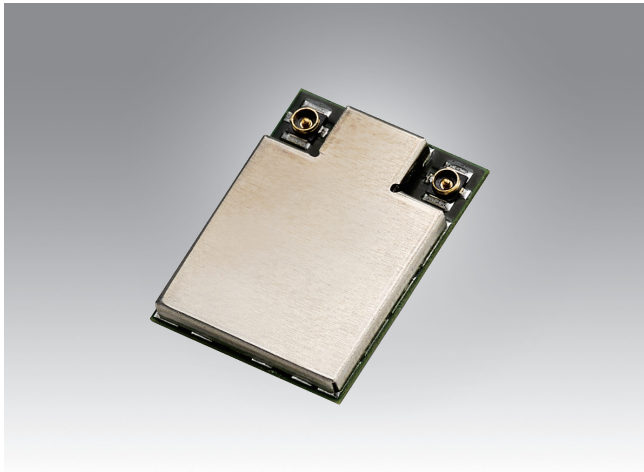


# EWM-W306S01E

802.11 a/b/g/n/ac + Bluetooth 5.0  
M.2 1216 solder down LGA type



## Features

- IEEE 802.11 a/b/g/n/ac + Bluetooth 5.0
- 2Tx/ 2Rx
- Up to 866.7 Mbps data rate
- WEP/WPA2, WAPI, 802.11i
- Operating temperature: -30 ~ +85° C

## Specifications

|                        |  |
|------------------------|--|
| Main Chipset           | Marvell 88W8997                                      |
| Tx/Rx                  | 2Tx/ 2Rx (2 I-PEX MHF4 Connector Receptacle (20449)) |
| Standard Conformance   | 802.11 a/b/g/n/ac+BT5.0                              |
| Form Factor            | M.2 1216 solder down LGA                             |
| Interface              | WiFi: SDIO<br>BT: UART                               |
| Operation Voltage      | DC 3.3V ±5%  |
| Antenna                | ANT1: WiFi -->TX/RX<br>ANT2: WiFi+BT-->TX/RX         |
| Security               | WEP/WPA2, WAPI, 802.11i                              |
| O.S Supported          | Linux OS   |
| Temperature Ranges     | Operation: -30 ~ +85° C                              |
| Dimensions (L x W x H) | 12 x 16 x 1.85 mm                                    |

## Ordering Information

| Part No.     | Product Description  |
|--------------|--|
| EWM-W306S01E | 802.11 a/b/g/n/ac, Marvell 88W8997, WiFi 2T2R, BT5.0, M.2 1216 |

## Suggested Antenna and Cable

| Part No.      | Specifications                        |
|---------------|---------------------------------------|
| 1750008717-01 | WiFi 2.4 GHz and 5 GHz dipole Antenna |
| 1750008799-01 | WiFi Coaxial Cable, 150 mm            |
| 1750008653-01 | WiFi Coaxial Cable, 200 mm            |
| 1750007965-01 | WiFi Coaxial Cable, 300 mm            |