

EMB-WIFI-KIT02I3

M.2 AE Key wifi module kit

NEW



Features

- M.2 2230 AE Key form factor
- High speed wireless connection, Wi-Fi 6E
- Low power consumption and high performance
- Fully qualified Bluetooth 5.2
- Solid design with external antenna diversity

Specifications

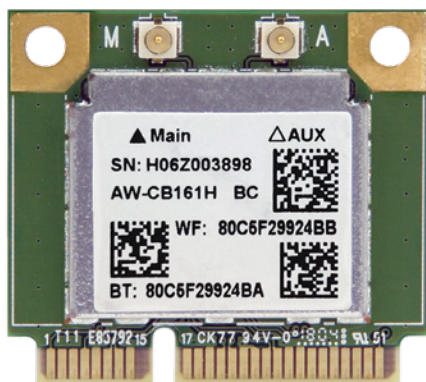
| Model Name | EMB-WIFI-KIT02I3 |
|-----------------|--|
| Standard | IEEE802.11a/b/g/n/ac/ax, M.2 AE Key Wireless LAN & Bluetooth 5.2 |
| Major chipset | Intel® AX210 |
| Antenna | 2x standard I-PEX MHF 4L Connector |
| Frequency range | Wi-Fi: 5GHz/6GHz, BT: 2402MHz~2483MHz |
| Driver support | Windows® 10/11, Linux |
| Temperature | 0°C ~ 70°C |
| Dimensions | 22mm x 30mm x 2.4mm |
| Weight | NW: 3.28g |

Ordering Information

| Part No. | Description |
|----------------------|---|
| EMB-WIFI-KIT02I3-R10 | 2T2R M.2 wifi module kit for embedded system, IEEE802.11a/b/g/n/ac/ax, 1 x M.2 AE Key Wireless LAN & Bluetooth 5.2; Intel; AX210.NGWW Module, 2 x RF cable, 2 x Antenna; RoHS |

EMB-WIFI-KIT

PCIe Mini card wireless LAN module kit



Features

- Half size PCIe Mini card form factor
- High speed wireless connection up to 433.3Mbps transmit/receive PHY rate using 80MHz bandwidth
- Low power consumption and high performance
- Fully qualified Bluetooth 4.0
- Solid design with external antenna diversity

Specifications

| Model Name | EMB-WIFI-KIT |
|---------------------|---|
| Standard | IEEE 802.11a/b/g/n/ac, Wi-Fi compliant / Bluetooth 4.0 Standard |
| Major chipset | Realtek RTL8821AE |
| Antenna | 2x standard U.F.L Connector |
| Frequency range | Wi-Fi: 2.4GHz/5GHz, BT: 2402MHz~2483MHz |
| Modulation | Wi-Fi: 802.11a/g/n/ac: OFDM 802.11b: CCK(11, 5.5Mbps), DQPSK(2Mbps), BPSK(1Mbps) |
| Receive Sensitivity | Wi-Fi: 802.11a: less than -65 dBm (54M) 802.11b: less than -76 dBm (11M) 802.11g: less than -65 dBm (54M) 802.11n @2.4GHz: less than -64 dBm (HT20 MCS7) 802.11n @2.4GHz: less than -61 dBm (HT40 MCS7) 802.11n @5GHz: less than -64 dBm (HT20 MCS7) 802.11n @5GHz: less than -61 dBm (HT40 MCS7) 802.11ac @5GHz: less than -51 dBm (VHT80 MCS9) BT: BER < 0.1% (Anritsu 8852B Tx -70 dBm) |
| Driver support | Windows 7/8/10, Linux kernel 3.18 |
| Temperature | 0°C ~ 70°C |
| Dimensions | 29.85mm x 26.65mm x 1.5mm |
| Weight | NW: 3.28g |

Ordering Information

| Part No. | Description |
|--------------------|--|
| EMB-WIFI-KIT01-R20 | 1T1R wifi module kit for embedded system, IEEE802.11a/b/g/n/ac Wi-Fi with Bluetooth 4.0/3.0+HS, 1 x wifi module, 2 x 250mm RF cable, 2 x Antenna, RoHS |
| EMB-WIFI-KIT11-R20 | 1T1R wifi module kit for embedded system, IEEE802.11a/b/g/n/ac Wi-Fi with Bluetooth 4.0/3.0+HS, 1 x wifi module, 2 x 400mm RF cable, 2 x Antenna, RoHS |