

Item no.: RTROM01-WS3294

RTROM01-WS3294 - Turris MOX/Omnia WiFi 5 GHz Card Add-on (mPCIe)

52,53 EUR

Item no.: RTROM01-WS3294
shipping weight: 0.10 kg
Manufacturer: Turris Omnia



Product Description

Turris MOX/Omnia WiFi 5 GHz Card Add-on (mPCIe)

WS3294 is a WiFi Mini PCIe module based on Mediatek MT7615 which is a WiFi Mini PCIe single chip which supports 1733 Mbps PHY rate. It fully complies with IEEE 802.11ac and 802.11 a/b/g/n standards, offering feature-rich wireless connectivity at high standards, and delivering reliable, cost-effective throughput from an extended distance.

Optimized RF architecture and baseband algorithms provide superb performance and low power consumption. Intelligent MAC design deploys a high efficient offload engine and hardware data processing accelerators which completely offloads Wi-Fi task of the host processor. MT7615 is designed to support standard based features in the areas of security, quality of service and international regulations, giving end users the greatest performance any time and in any circumstance.

MT7615 supports concurrent dual-band operation at 5 GHz and 2.4 GHz bands (DBDC, Dual-Band-Dual-Concurrent).

With the advent of 802.11ac, multiuser MIMO (MU-MIMO) is defined. MT7615 supports MU-MIMO with different configurations. An AP is able to use its antenna arrays to transmit multiple frames to different clients at the same time and over the same frequency spectrum.

- Standards: IEEE 802.11ac/b/g/n (4Tx4R)
- Data rate: IEEE 802.11ac 1733 Mbps @ TX/RX, IEEE 802.11a/n 600 Mbps @ TX/RX, IEEE 802.11a/g 108 Mbps, IEEE 802.11b 22 Mbps, IEEE 802.11ac up to 1733 Mbps
- Output power: 11b: 20 dbm +/- 1.5 dbm @ 11 Mbps; 11g: 18 dbm +/- 1.5 dbm @ 54 Mbps; 11g/n: 18 dBm +/- 1.5 dbm @ MCS7, HT20; 17 dBm @ MCS7, HT40; 11a: 16 dBm +/- 1.5 dbm @ 54 Mbps; 11a/n: 15 dBm +/- 1.5 dbm @ MCS7, HT20; 13 dBm @ MCS7, HT40; 11ac HT20: 12 +/- 1.5 dBm @ MCS8; 11ac HT40: 12 +/- 1.5 dBm @ MCS9; 11ac HT80: 12 +/- 1.5 dBm @ MCS9
- Receiver sensitivity: 11b: -89 dBm @ 11 Mbps; 11g: -76 dBm @ 54 Mbps; 11g/n: -74 dBm @ HT20, MCS7; -66 dBm @ HT40, MCS7; 11a: -75 dBm @ 54 Mbps; 11a/n: -73 dBm @ HT20, MCS7; -71 dBm @ HT40, MCS7; 11ac: -57 dBm +/- 2 dBm @ HT20 MCS8; 11ac: -54 dBm +/- 2 dBm @ HT40 MCS9; 11ac: -51 dBm +/- 2 dBm @ HT80 MCS9
- RF connector: IPEX connector
- Frequency range: US, Canada 2.412 GHz ~ 2.462 GHz (CH1 ~ CH11); EU, Japan: 2.412 GHz ~ 2.472 GHz (CH1 ~ CH13), 5.15 GHz ~ 5.875 GHz
- Software: Security: 64/128-bit WEP Encryption, WPA, WPA2; Driver: Linux
- Operating voltage: DC 3.3 V ± 5%
- Temperature: Operating: 0°C ~ +70°C; Storage: -20°C ~ +90°C
- Dimensions: 51 mm (L) x 52 mm (W)
- Humidity: Operating: 10% ~ 90% non-condensing; Storage: 10% ~ 90% non-condensing

Specifications

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All details, up-to-date
prices and availability

