

MWU-206 802.11n Wireless USB Adapter (1Tx2R)



The **MWU-206** is a wireless dongle, which fully supports the features and functional compliance of IEEE 802.11n, e and i standards. It supports up to 300 Mbps downlink and 150Mbps uplink high speed wireless network connections using the 1Tx2R MIMO technology. Using packet aggregation techniques the protocol efficiency is significantly improved. Power saving mechanisms reduce the power wasted during idle time, and compensate for the extra power required to transmission. The **MWU-206** provides simple legacy and 20MHz/40MHz co-existence mechanisms to ensure backward and network compatibility.

- Complies with IEEE 802.11n,e and i, IEEE 802.11b/g standards
- 1Tx2R MIMO technology improves effective throughput and range over existing 802.11b/g products
- Operates on 2.4GHz ISM band
- Data rates up to 300 Mbps downlink and 150Mbps uplink
- BPSK, QPSK, 16 QAM, 64 QAM, DBPSK, DQPSK and CCK modulations
- Supports 64-bit and 128 bit WEP, WPA, WPA2, TKIP, AES
- WPS (WiFi Protected Setup)
- Ad-hoc and Infrastructure mode
- 5 dBi detachable antenna
- USB 2.0 interface
- Realtek RTL8191SU chip



Technical Specification

Chipset	Realtek RTL8191SU
Standard	IEEE 802.11n, e and i, IEEE 802.11b/g
Frequency Band	2.4GHz ISM Band
Operating Channel	13 Channels - Europe, 11 Channels - US, Canada, 14 Channels - Japan
Modulation	BPSK / QPSK / 16-QAM / 64-QAM / DBPSK / DQPSK / CCK
Spread Spectrum	IEEE 802.11b: DSSS (Direct Sequence Spread Spectrum) IEEE 802.11g/n: OFDM (Orthogonal Frequency Division Multiplexing)
Transmit Power	IEEE 802.11n: < 19 dBm IEEE 802.11g: < 19 dBm IEEE 802.11b: < 22 dBm
Receiver Sensitivity	IEEE 802.11n: -64dBm @ 10% IEEE 802.11g: -70dBm @ 10% IEEE 802.11b: -80dBm @ 8%
Operation Mode	Ad hoc, Infrastructure
Data Transfer Rates	300, 270, 240, 180, 120, 90, 60, 54, 48, 36, 30, 24, 22, 18, 12, 11, 6, 5.5, 2, 1 Mbps (auto fallback)
Operating Range	Indoor 100m, Outdoor 280m *The performance depends on environment
Security	64/128 bit WEP & WPA, WPA2, TKIP, AES
Interface	USB 2.0
Antenna	1 x 5dBi external detachable
Power Consumption	Transmit: around 380mA Receive: around 250mA
OS Support	Windows XP / Vista / Win7 / Mac / Linux
Temperature	Operating: 0C - 50C Storing: -10C – 70C
Humidity	5-90%, Non-condensing
Size	87 x 27 x 13.4 mm (L x W x H)
LED Indicators	Power
Certification	CE, FCC
Warranty	1 year