

600Mbps Dual Band Wireless USB Adapter

802.11/b/g/n/ac

Model: WD-4501AC



KEY FEATURES

- 600Mbps wireless transmission rate
- Dual band frequency 2.4GHz & 5.8GHz
- Provides two methods of operation: Infrastructure and Ad-Hoc
- Supports 64/128-bit WEP, complies with 128 bit WPA standard(TKIP/AES), supports MIC, IV Expansion, Shared Key Authentication, IEEE 802.1X
- Supports Windows XP/Vista/win7/win8/win8.1/win10/Mac OS
- Seamlessly compatible with 802.11b/g/n/ac devices

Specifications

| | |
|--------------------------|---|
| Chipset | Realtek RTL8811 |
| Interface | USB2.0 Hi-Speed connector |
| Wireless Speed | 2.4G: Up to 150Mbps 5.8G : Up to 433Mbps |
| Frequency Range | 2.4GHz & 5.8GHz |
| Wireless Transmit Power | 20dBm(MAX EIRP) |
| Modulation Technique | OFDM/CCK/16-QAM/64-QAM |
| Work Mod | Ad-Hoc / Infrastructure |
| Wireless Security | 64/128 bits WEP, WPA/WPA2, WPA-PSK/WPA2-PSK (TKIP/AES) |
| Temperature Range | Operating: -20°C to 70°C, Storage: -40°C to 90°C |
| Humidity | Operating: 5% to 95% (non-condensing), Storage: Max. 90% (non-condensing) |
| Support Operating System | Windows XP/Vista/Linux/ Win 7/Win 8 /Win8.1 /Win10 /Mac OS |
| Dimensions (H x W x D) | 33 x 15 x 8 mm |

RF Performance Table for 2.4GHz and 5.8GHz

| | Data Rate | TX Power | Tolerance |
|---------|-----------|----------|-----------|
| 2.4GHz | 1Mbps | 16dBm | ±2dB |
| 802.11b | 11Mbps | 16dBm | ±2dB |
| 2.4GHz | 6Mbps | 15dBm | ±2dB |
| 802.11g | 54Mbps | 13dBm | ±2dB |
| 2.4GHz | MCS0 | 14dBm | ±2dB |
| 802.11n | MCS7 | 13dBm | ±2dB |
| 20MHz | MCS8 | 13dBm | ±2dB |
| 2.4GHz | MCS0 | 14dBm | ±2dB |
| 802.11n | MCS9 | 13dBm | ±2dB |
| 40MHz | MCS9 | 13dBm | ±2dB |

| | Data Rate | RX Specifications Sensitivity | Tolerance |
|---------|-----------|-------------------------------|-----------|
| 2.4GHz | 1Mbps | -97dBm | ±2dB |
| 802.11b | 11Mbps | -90dBm | ±2dB |
| 2.4GHz | 6Mbps | -92dBm | ±2dB |
| 802.11g | 54Mbps | -76dBm | ±2dB |
| 2.4GHz | MCS0 | -92dBm | ±2dB |
| 802.11n | MCS7 | -75dBm | ±2dB |
| 20MHz | MCS8 | -71dBm | ±2dB |
| 2.4GHz | MCS0 | -89dBm | ±2dB |
| 802.11n | MCS9 | -67dBm | ±2dB |
| 40MHz | MCS9 | -67dBm | ±2dB |
| 5.8GHz | 6Mbps | -94dBm | ±2dB |
| 11a | 54Mbps | -78dBm | ±2dB |
| 5.8GHz | MCS0 | -89dBm | ±2dB |
| 11ac | MCS | -64dBm | ±2dB |
| 80MHz | MCS | -64dBm | ±2dB |

Dimensional Drawing

