

EUB9603H

Business Class Long Range, 150Mbps Wireless N USB Adapter with Detachable Antenna



Key Differentiators

WIRELESS N 150MBPS SPEED

Speed 3X faster than standard 802.11g
Ideal for large file transfer applications from advanced engineering solution to video conference meeting

HIGH 600MW WIRELESS POWER

Ensures robust signal to overcome long distances
Offers superior WiFi coverage over leading brands

HIGH GAIN DETACHABLE ANTENNA DESIGN

Ideal for better antenna position to reduce interference and obstacle
5dBi antenna for wireless power up to 2000mW EIRP
Supports upgradeable antenna to increase range and receive sensitivity

INTELLIGENT QUALITY OF SERVICE (QOS) TECHNOLOGY

Supports 802.11e QoS (WMM) for optimized multimedia streaming
Facilitates bandwidth priority for multimedia applications like VoIP phone call, video streaming, online gaming

Ideal For:



BUSINESS TRAVELER



LONG RANGE WIFI CONNECTIVITY



STREAMING HD VIDEO
ONLINE GAMING
VOIP INTERNET CALL



EUB9603H – Technical Specifications

Specifications may change without notice.

HARDWARE SPECIFICATIONS

| | |
|---------------------------|------------------------------|
| CPU/MAC/BB | RTL8188 |
| LED | Blue LED for Link Activity |
| Physical Interface | USB 2.0 |
| Regulation Certifications | FCC Part 15, ETSI 300/328/CE |

RF SPECIFICATIONS

| | |
|-------------------------------|--|
| Frequency Band | 2.400–2.484 GHz |
| Modulation Technology | OFDM: BPSK, QPSK, 16-QAM, 64-QAM DBPSK, DQPSK, CCK |
| Operation Channels | 11 for North America, 13 for Europe |
| Receive Sensitivity (Typical) | 2.412–2.472G(IEEE802.11b) (1Rx) <= -90 dBm@1Mbps 2.412–2.472G(IEEE802.11g) (1Rx) <= -87dBm@6Mbps 2.412–2.472G(IEEE802.11N) (1Rx) <= -85dBm@MCS0 (11N 20M) <= -85dBm@MCS0 (11N 40M) |
| Available transmit power | 2.412–2.472G(IEEE802.11b) Up to 28dBm@1~11Mbps 2.412–2.472G(IEEE802.11g) Up to 23dBm @6-12Mbps Up to 22dBm@18-24Mbps Up to 21dBm@36-48Mbps Up to 20dBm @54Mbps 2.412–2.472G(IEEE802.11n) Up to 23dBm @MCS 0 Up to 19dBm@MCS 7 |
| Antenna Connector | RP-SMA Female |
| Antenna | 5dBi Detachable Omni Antenna |

SOFTWARE SPECIFICATIONS

| | | | | | |
|-------------------|---|----------------------|--------------|----------------------|--------------|
| Wireless Settings | Wireless Mode – 11b/11g/11n | | | | |
| | Channel Selection – Setting varies by Country | | | | |
| | Channel Bandwidth – Auto, 20MHz, 40MHz | | | | |
| | Security: WEP 64/128, WPA & WPA2 | | | | |
| | QoS: WMM support | | | | |
| | Transmission Rate | | | | |
| | 11g: 54, 48, 36, 24, 18, 12, 11, 9, 6, 5.5, 2, 1 Mbps | | | | |
| | 11n: | | | | |
| | | Guard Interval 800ns | | Guard Interval 400ns | |
| | MCS Index | 20MHz (Mbps) | 40MHz (Mbps) | 20MHz (Mbps) | 40MHz (Mbps) |
| 0 | 6.5 | 13.5 | 7.2 | 15 | |
| 1 | 13 | 27 | 14.4 | 30 | |
| 2 | 19.5 | 40.5 | 21.7 | 45 | |
| 3 | 26 | 54 | 28.9 | 60 | |
| 4 | 39 | 81 | 43.3 | 90 | |
| 5 | 52 | 108 | 57.8 | 120 | |
| 6 | 58.5 | 121.5 | 65 | 135 | |
| 7 | 65 | 135 | 72.2 | 157.5 | |
| Drivers | Windows 7/Vista/XP/2000 & Mac OS support | | | | |
| Utility | Yes | | | | |
| Software AP | Yes | | | | |

ENVIRONMENT & PHYSICAL

| | |
|---------------------------|---|
| Temperature Range | Operation: 0–40° C (32°F to 104°F) Storage: -10–60° C (-14°F to 140°F) |
| Humidity (Non-condensing) | 0–95% typical |
| Dimensions | Device: Length 2.83" (72mm) x Width 2.13" (54mm) x Height 0.91" (23mm) Package: Length 8.78" (223mm) x Width 5.24" (133mm) x Height 1.65" (42mm) |
| Weight | 0.6 lb (272g) |

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