

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	2400 – 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) ≤ -97dBm @ 1Mbps 2.412–2.472G(IEEE802.11g) (1Rx) ≤ -94dBm @ 6Mbps 2.412–2.472G(IEEE802.11N) (1Rx) ≤ -93dBm @ MCS0 (11N 20M) ≤ -93dBm @ 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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