

# EUB9603 EXT

## Business Class 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

#### DETACHABLE ANTENNA DESIGN

Ideal for better antenna position to reduce interference and obstacle  
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



# EUB9603 EXT – Technical Specifications

Specifications may change without notice.

## HARDWARE SPECIFICATIONS

CPU/MAC/BB	RTL8188
LED	Blue LEDs for Link Activity & Power
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)
	2.412–2.472G(IEEE802.11b) Up to 22dBm@1~11Mbps
Available transmit power	2.412–2.472G(IEEE802.11g) >= 15dBm @6~54Mbps
	2.412–2.472G(IEEE802.11N) >= 15dBm
	2.412–2.472G(IEEE802.11b) Up to 22dBm@1~11Mbps
Antenna Connector	RP-SMA Female
Antenna	2dBi 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 3.27" (83mm) x Width 1.18" (30mm) x Height 0.43" (11mm) Package: Length 5.75" (146mm) x Width 5.31" (135mm) x Height 0.83" (21mm)
Weight	0.3 lb (136g)

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