

# EUB9603EXT

Long Range Wireless-N USB adapter

- 2.4 GHz
- 1T1R
- 150Mbps
- USB1.1/2.0



## PRODUCT DESCRIPTION

The EUB9603 EXT is a revolutionary 11N 1T1R USB adapter with external antenna. It is fully forward compatible with 802.11 b/g standard and support pre-N technology.

This model is capable of achieving 3 times faster performance than G generation products. It features full coverage of wireless security including WEP 64/128, WPA and WPA2 and supports TKIP and AES encryption. Advanced external antenna design guarantees superior sensitivity and transmit power in comparison with tradition printed antenna. External antenna allows users to upgrade antenna for higher gain and extended coverage. USB interface and multiple driver support allows EUB9603 EXT to be installed on any popular OS (including Windows 7/XP/2000/Vista and MacOS).

EUB9603 EXT is definitely a production of mobility and flexibility.

## PACKAGE CONTENT

- 1\* USB adapter
- 1\* QIG
- 1\* CD (User's Manual)
- 1\* SMA Dipole Antenna

TECHNICAL SPECIFICATION

> Hardware Specification

CPU/MAC/BB	RTL8188	
RF	Built-in	
Environmental condition	Operation	Temperature 0~40°C/Humidity 90% or less (Nn-condensing)
	Storage	Temperature -10~60°C/Humidity 95% or less (Nn-condensing)
PCB Dimension	62.2mm x 21mm	
Antenna Connector	SMA Dipole antenna	
Antenna	2dBi External (Black)	
LED	Blue LEDs for Link Activity & PWR LED	
Physical Interface	USB 2.0	

> RF Specification

Frequency Band	2.400 ~ 2.484 GHz				
Modulation Technology	<ul style="list-style-type: none"> <li>● OFDM: BPSK, QPSK, 16-QAM, 64-QAM</li> <li>● DBPSK, DQPSK, CCK</li> </ul>				
Operating Channels	11 for North America, 13 for Europe				
Wireless Setting	<ul style="list-style-type: none"> <li>● Operation Mode – Client mode</li> <li>● Wireless Mode – 11b/ 11g /11n</li> <li>● Channel Selection (Setting varies by Country)</li> <li>● Channel Bandwidth (Auto, 20Mhz, 40Mhz)</li> <li>● Transmission Rate <ul style="list-style-type: none"> <li>-11g: Best. 54, 48, 36, 24, 18, 12, 11, 9, 6, 5.5, 2, 1 in Mbps</li> <li>-11n:</li> </ul> </li> </ul>				
	MCS index	Guard Interval 800ns		Guard Interval 400ns	
		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	

Receive Sensitivity (Typical)	<ul style="list-style-type: none"> <li>● 2.412~2.472G(IEEE802.11b) (1Rx)     &lt;= -90 dBm@1Mbps</li> <li>● 2.412~2.472G(IEEE802.11g) (1Rx)     &lt;= -87dBm@6Mbps</li> <li>● 2.412~2.472G(IEEE802.11N) (1Rx)     &lt;= -85dBm@MCS0 (11N 20M)     &lt;= -85dBm@MCS0 (11N 40M)</li> </ul>
Available transmit power	<ul style="list-style-type: none"> <li>● 2.412~2.472G(IEEE802.11b)     Up to 22dBm@1~11Mbps</li> <li>● 2.412~2.472G(IEEE802.11g)     &gt;= 15dBm @6~54Mbps</li> <li>● 2.412~2.472G(IEEE802.11N)     &gt;= 15dBm</li> </ul>
Regulation Certifications	FCC Part 15, ETSI 300/328/CE
<b>&gt; Software Specification</b>	
Wireless	Security: WEP 64/126, WPA & WPA2 QoS: WMM support
Drivers	Windows 7/Vista/XP/2000 & Mac OS support
Utility	Yes
Software AP	Yes