EUB-9603H

High power wireless-N USB adapter

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

PRODUCT DESCRIPTION

The EUB9603H is a revolutionary High Power 11N 1T1R USB adapter with external antenna. With the specially fine tuned RF design it is capable of deliver up to 27dBm. 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 EUB9603H to be installed on any popular OS (including Windows 7/Vista/XP and MacOS). EUB9603H is definitely a production of mobility and flexibility.

PACKAGE CONTENT

- ➢ 1* USB adapter
- ➢ 1* QIG
- ➢ 1* CD (User's Manual)
- ➢ 1* SMA Dipole Antenna
- ➢ 1* USB Plug (Y cable)

EUB-9603H Datasheet Version 26092009

*Theoretical wireless signal rate based on IEEE standard of 802.11 a, b, g, n chipset used. Actual throughput may vary.Network conditions and environmental factors lower actual throughput rate.
** All specifications are subject to change without notice

BUSINESS CLASS
EUB-9603H

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TECHNICAL SPECIFICATIONS			
> Hardware Specification			
CPU/MAC/BB	RTL8188		
RF	Built-in (High Power PA)		
Environmental condition	Operation	Temperature 0～40℃／Humidity 90% or less（Nn-condensing）	
	Storage	Temperature −10～60℃／Humidity 95% or less（Nn-condensing）	
PCB Dimension	38mm x 63.5mm		
Antenna Connector	SMA Dipole antenna		
Antenna	5dBi External (Black)		
LED	Blue LEDs for Link Activity		
Physical Interface	USB 2.0		
> RF Specification			
Frequency Band	2.400 ~ 2.484 GHz		
Modulation Technology	● OFDM: BPSK, QPSK, 16-QAM, 64-QAM ● DBPSK, DQPSK, CCK		
Operating Channels	11 for North America, 13 for Europe		

Wireless Setting

- Operation Mode – Client mode

- Wireless Mode – 11b/ 11g /11n

- Channel Selection (Setting varies by Country)

- Channel Bandwidth (Auto, 20Mhz, 40Mhz)

- Transmission Rate
  -11g: Best. 54, 48, 36, 24, 18, 12, 11, 9, 6, 5.5, 2, 1 in Mbps
  -11n:

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

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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 27dBm@1~11Mbps
	● 2.412~2.472G(IEEE802.11g)
	    Up to 25dBm @6~54Mbps
	●2.412~2.472G(IEEE802.11N)
	    Up to 24dBm@MCS 0/7

Regulation Certifications	FCC Part 15, ETSI 300/328/CE
> Software Specification	
Wireless	Security: WEP 64/126, WPA & WPA2 QoS: WMM support
Drivers	Windows 7/Vista/XP/2000 & Mac OS support
Utility	Yes
Software AP	Yes

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