

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)

TECHNICAL SPECIFICATIONS																																																					
> Hardware Specification																																																					
CPU/MAC/BB	RTL8188																																																				
RF	Built-in (High Power PA)																																																				
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	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	<ul style="list-style-type: none"> ● OFDM: BPSK, QPSK, 16-QAM, 64-QAM ● DBPSK, DQPSK, CCK 																																																				
Operating Channels	11 for North America, 13 for Europe																																																				
Wireless Setting	<ul style="list-style-type: none"> ● Operation Mode – Client mode ● Wireless Mode – 11b/ 11g /11n ● Channel Selection (Setting varies by Country) ● Channel Bandwidth (Auto, 20Mhz, 40Mhz) ● Transmission Rate <ul style="list-style-type: none"> -11g: Best. 54, 48, 36, 24, 18, 12, 11, 9, 6, 5.5, 2, 1 in Mbps -11n: <table border="1" data-bbox="462 1392 1442 1675"> <thead> <tr> <th rowspan="2">MCS index</th> <th colspan="2">Guard Interval 800ns</th> <th colspan="2">Guard Interval 400ns</th> </tr> <tr> <th>20MHz(Mbps)</th> <th>40MHz(Mbps)</th> <th>20MHz(Mbps)</th> <th>40MHz(Mbps)</th> </tr> </thead> <tbody> <tr><td>0</td><td>6.5</td><td>13.5</td><td>7.2</td><td>15</td></tr> <tr><td>1</td><td>13</td><td>27</td><td>14.4</td><td>30</td></tr> <tr><td>2</td><td>19.5</td><td>40.5</td><td>21.7</td><td>45</td></tr> <tr><td>3</td><td>26</td><td>54</td><td>28.9</td><td>60</td></tr> <tr><td>4</td><td>39</td><td>81</td><td>43.3</td><td>90</td></tr> <tr><td>5</td><td>52</td><td>108</td><td>57.8</td><td>120</td></tr> <tr><td>6</td><td>58.5</td><td>121.5</td><td>65</td><td>135</td></tr> <tr><td>7</td><td>65</td><td>135</td><td>72.2</td><td>157.5</td></tr> </tbody> </table> 				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)	<ul style="list-style-type: none"> ● 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	<ul style="list-style-type: none"> ● 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