

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).

EUB-9603H Datasheet Version 26092009

** All specifications are subject to change without notice

BUSINESS CLASS
EUB-9603H

^{*}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.



Datasheet EUB-9603H

	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	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 Mo	 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		nterval 800ns		erval 400ns		
		20MHz(Mbps)	40MHz(Mbps)	20MHz(Mbps)	40MHz(Mbps)		
	0	6.5	13.5 27	7.2 14.4	15 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	

	PACKAGE CONTENT
► 1 x USB Adapter (EUB9603H)	
► 1 x USB Plug(Y Cable)	
► 1 x SMA Dipole Antenna	
▶ 1 x CD with User's Manual	
▶ 1 x QIG	

Contact

E-mail: service@engeniustech.com.au 1300 725 323

1/14 Wellington Street, ACACIA RIDGE QLD 4110 Australia Check www.engeniustech.com.au for your contact information

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