

**EUB-9801**

THE LEADER IN LONG RANGE WIRELESS HOME NETWORKING

# 300Mbps Wireless N Dual-Band USB Adapter

## Add High-Speed Wireless N Connectivity to your Computer



2.4GHz



### Power Performance

Using today's most advanced wireless N networking technology, the EUB-9801 300Mbps Wireless N Dual-Band Adapter is designed to provide superior range and blazing wireless speed - anywhere you go. Connect to either a 5GHz or 2.4GHz network. Enhance any USB equipped laptop or desktop with the power of Dual-Band wireless N.

### Easy Setup

Convenient and compact adapter plugs into your laptop or desktop's USB port. The Setup Wizard and push-button security setup makes it easy to install and configure for use with your network.

### Powerful Protection

Supports the latest industry standard wireless data encryption to protect your data and networking activity - all with a push of a button.

**Mac OS Compatible**



**Windows Vista/XP Compatible**



**One-Touch**



**WiFi Multimedia**



**WEP, WPA WPA2**



## Key Differentiators

### DUAL-BAND CONNECTIVITY

Connect to any wireless network

### PUSH-BUTTON WIRELESS SECURITY SETUP

Simple secure connection to a network

### EASY TO USE INSTALLATION WIZARD FOR QUICK SETUP

### COMPATIBLE WITH WINDOWS AND MAC OS X

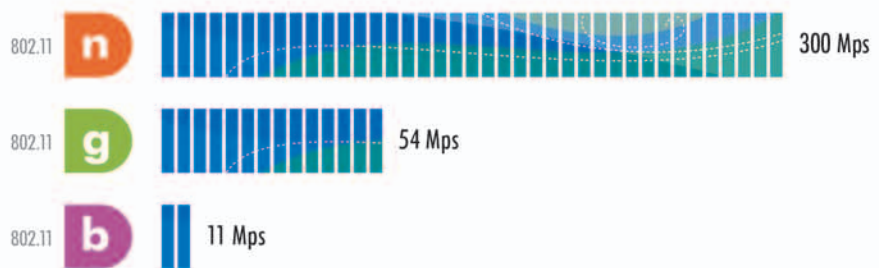
### SMALL COMPACT AND CONVENIENT FORM FACTOR

### ENHANCED MIMO RADIO TECHNOLOGY FOR EXTENDED RANGE AND SPEED

### SUPPORTS ADVANCED SECURITY: WEP 64/128, WPA, WPA2

### SUPPORTS 802.11E QOS (WMM) FOR OPTIMIZED MULTIMEDIA STREAMING

## Wireless Speed Comparison



Maximum data rates are based on IEEE 802.11 standards. Actual throughput and range can vary depending on many factors including network conditions, environmental factors, distance between devices, radio interference in the operating environment, and mix of devices in the network

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[www.engenius-tech.com](http://www.engenius-tech.com)

## Technical Specifications Specifications may change without notice.

### HARDWARE SPECIFICATION

CPU	RT3572
Standard	IEEE802.11b, IEEE802.11g, IEEE802.11n (Draft 2.0) IEEE802.11a IEEE802.11e (WMM), I, f and h standards, IEEE802.1x
Physical Interface	USB1.1/2.0
Operating Voltage	5V
LED's Status	Link Activity & PWR
WPS	WPS Button

### RF SPECIFICATION

Frequency Band	2.400~2.484 GHz or 5.180~5.825 GHz				
Modulation Technology	OFDM: BPSK, QPSK, 16-QAM, 64-QAM DBPSK, DQPSK, CCK				
Operation Channels	11 for North America, 14 for Japan, 13 for Europe				
Wireless Settings	Operation Mode – Client Wireless Mode – 11a/11b/11g/11n (Draft 2.0) Channel Selection (Setting varies by Country) Channel Bandwidth (Auto, 20Mhz, 40Mhz) Transmission Rate -11a: Best. 54, 48, 36, 24, 18, 12, 11, 9, 6, 5.5, 2, 1 in Mbps -11g: Best. 54, 48, 36, 24, 18, 12, 11, 9, 6, 5.5, 2, 1 in 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
	8	13	27	14.4	30
	9	26	54	28.9	60
	10	39	81	43.3	90
	11	52	108	57.8	120
	12	78	162	86.7	180
	13	104	216	115.6	240
14	117	243	130	270	
15	130	270	144.4	300	
Receive Sensitivity (Typical)	2.412~2.472G(IEEE802.11b) (1Rx) -90dBm @ 1Mbps 2.412~2.472G(IEEE802.11g) (2Rx) -90dBm @ 6Mbps -71dBm @ 54Mbps 2.412~2.472G(IEEE802.11n) (2Rx) -88 dBm MCS 8 -69 dBm MCS 15 5.180~5.825G(IEEE802.11a) (2RX) -90dBm @ 6Mbps -71dBm @ 54Mbps 5.180~5.825G(IEEE802.11n) (2RX) (Draft 2.0) -88dBm @ MCS 8 -68dBm @ MCS 15				
Available Transmit Power	2.412~2.472G(IEEE802.11b) 18 dBm @ 1~11Mbps 2.412~2.472G(IEEE802.11g) 17 dBm @6Mbps 15 dBm @54Mbps 2.412~2.472G(IEEE802.11n) 15dBm @MCS 8 5.180~5.825G(IEEE802.11a) 15dBm 5.180~5.825G(IEEE802.11n) (Draft 2.0) 13dBm				
Regulation Certifications	FCC Part 15, ETSI 300/328/CE				

### SOFTWARE FEATURES

Wireless	WEP, WPA/WPA2 (AES/TKIP), WPS, WMM
Drivers	Windows 2000/XP/Vista Linux 2.4 and 2.6 MAC OS

### ENVIRONMENT & PHYSICAL

Temperature Range	Operating: 0°C to 45°C (32°F to 113°F) Storage: -10°C to 70°C (14°F to 158°F)
Humidity (non-condensing)	15% – 95% typical
Dimensions	L: 3.03" (77mm) x W: 0.93" (23.5mm) x H: 0.43" (11mm)

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