

EUB-9706

THE LEADER IN LONG RANGE WIRELESS HOME NETWORKING

# 300 Mbps Wireless N USB Adapter



2.4GHz



### Power Performance

Using today's most advanced wireless N networking technology, the EUB-9706 300Mbps Wireless Adapter is designed to provide superior range and blazing wireless speed - anywhere you go. Enhance any USB equipped laptop or desktop with the power of wireless N.

### Easy Setup

Convenient and compact adapter plugs into your laptop or desktop's USB port. The Setup Wizard 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 WPS



WiFi Multimedia



WEP, WPA WPA2



Transmitter Receiver

X2



## Key Differentiators

**PUSH-BUTTON WIRELESS SECURITY SETUP**

**SUPPORTS ADVANCED SECURITY**  
WEP 64/128, WPA, WPA2

**EASY TO USE INSTALLATION WIZARD FOR QUICK SETUP**

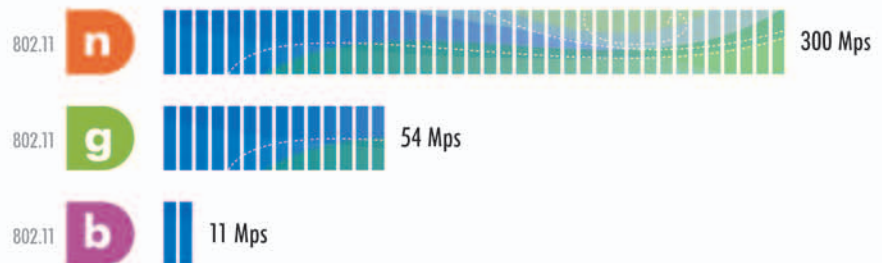
**SUPPORTS 802.11E QOS FOR OPTIMIZED MULTIMEDIA STREAMING**

**SMALL COMPACT AND CONVENIENT FORM FACTOR**

**WORKS BEST WITH THE ENGENIUS 300MBPS WIRELESS N ROUTER (ESR-9752)**

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

## 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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## Technical Specifications Specifications may change without notice.

### HARDWARE SPECIFICATION

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

### RF SPECIFICATION

Frequency Band	2.400 – 2.484 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 – 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:				
		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 (IEEE 802.11b) Optimal -90dBm @ 1Mbps 2.412 ~ 2.472G (IEEE 802.11g) Optimal -89dBm 2.412 ~ 2.472G (IEEE 802.11n) Optimal -89dBm				
Available Transmit Power	2.412 ~ 2.472G (IEEE 802.11b) Up to 18dBm 2.412 ~ 2.472G (IEEE 802.11g) Up to 15dBm 2.412 ~ 2.472G (IEEE 802.11n) Up to 15dBm				
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: 3.05" (77.5mm) x W: 0.85" (21.5mm) x H: 0.39" (10mm)

## EnGenius Technologies

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