

# EUB9706

## Wireless 802.11 b/g/n USB adapter

2.4 GHz b/g/n	2T2R	300M	USB1.1/2.0
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## PRODUCT DESCRIPTION

EUB9706 is an 802.11n wireless client adapter. It supports both 2.4Ghz with high performance. It applies 2T2R architecture with full compatibility with IEEE 802.11n and backward support for legacy b/g APs.

Enhanced sensitivity provides superior performance over traditional USB dongle adapters. Stylish and slim design ensures comfortable usage. EUB9706 is definitely the optimal choice for both SOHO and business users.

## PACKAGE CONTENT

- 1\* USB adapter (EUB9706 )
- 1\* QIG
- 1\* CD (User's Manual)

## Technical Specifications

### HARDWARE SPECIFICATIONS

CPU	RT3072
Standard	IEEE802.11b, IEEE802.11g, IEEE802.11n (2.0) IEEE802.11e (WMM), I, f and h standards, IEEE802.1x
Physical Interface	USB 1.1 / 2.0
Operating Voltage	5V
LED Status	Link Activity
RF Connector	N/A
Antenna	N/A
PCB dimension	50.5mm * 18mm

\* Theoretical wireless signal rate based on IEEE standard of 802.11a, 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.

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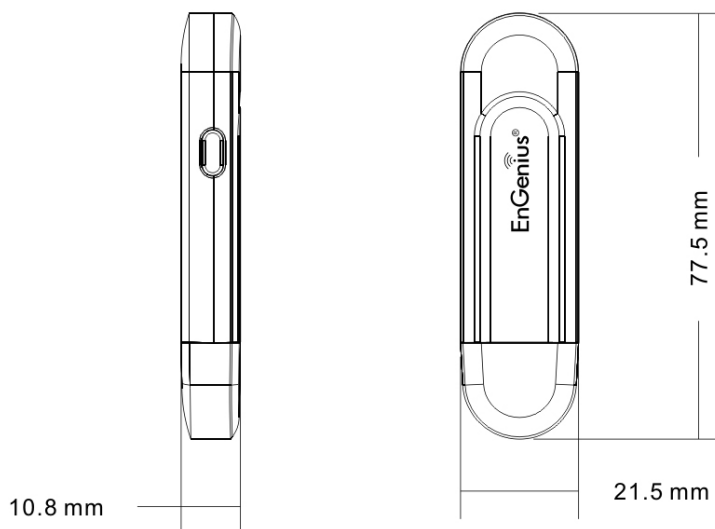
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## RF Specification

Frequency Band	2.400 ~ 2.484 GHz		
Modulation Technology	<ul style="list-style-type: none"> <li>● OFDM: BPSK, QPSK, 16-QAM, 64-QAM</li> <li>● DBPSK, DQPSK, CCK</li> </ul>		
Operating Channels	11 for North America, 14 for Japan, 13 for Europe		
Wireless Setting	<ul style="list-style-type: none"> <li>● Operation Mode – Client</li> <li>● Wireless Mode – 11b / 11g / 11n</li> <li>● Channel Selection (Setting varies by Country)</li> <li>● Channel Bandwidth (Auto, 20Mhz, 40Mhz)</li> <li>● Transmission Rate</li> </ul>		
	-11g: Best. 54, 48, 36, 24, 18, 12, 11, 9, 6, 5.5, 2, 1 in Mbps		
	MCS	Guard Interval 800ns	Guard Interval 400ns

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2.4 GHz b/g/n

2T2R

300M

USB1.1/2.0

	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)	<ul style="list-style-type: none"> <li>● 2.412~2.472G(IEEE802.11b) Optimal -91dBm @ 1Mbps</li> <li>● 2.412~2.472G(IEEE802.11g) Optimal -90dBm</li> <li>● 2.412~2.472G(IEEE802.11N) Optimal -90 dBm</li> </ul>				

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Available transmit power	<ul style="list-style-type: none"> <li>● 2.412~2.472G(IEEE802.11b) Up to 18dBm</li> <li>● 2.412~2.472G(IEEE802.11g) Up to 15dBm</li> <li>● 2.412~2.472G(IEEE802.11N) Up to 15dBm</li> </ul>
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	0 to 45° C - Operating, -10 to 70 ° C - Storage
Humidity (non-condensing)	15% ~ 95% typical

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