

The Engenius 802.11n USB Adapter (EUB-9702) implements the latest 11n 2.0 technology which extremely improves wireless signal for your computer than existing wireless 802.11g technology. It supports the 1T2R MIMO architecture with fully forward compatible with IEEE802.11n. The incredible speed of EUB-9702 USB adaptor makes heavy traffic networking activities more flexible and takes the wireless into practical road. You could enjoy the racing speed of wireless connection, surfing on Internet without string wires.

Adding Engenius EUB-9702 to your Notebook or Computer, it provides an excellent performance and cost-effective solution for doing media-centric activities such as streaming video, gaming, and enhances the QoS (WMM) without any reduction of performance. It extends 3 times network coverage and boosts 6 times transmission throughput than existing 11g product. Advanced power management and low power consumption among 11n products.

For more security-sensitive application, EUB-9702 supports Hardware-based IEEE 802.11i encryption/decryption engine, including 64-bit/128-bit WEP, TKIP, and AES. Also, it supports Wi-Fi alliance WPA and WPA2 encryption. Cisco CCX V1.0, V2.0 and V3.0 compliant.



Features	Benefits
Racing Speed up to 300Mbps data rate (2.4GHz 11N technology)	Enjoy the Internet connection in crazy-fast speed, without the bottleneck of stringing wires.
Advanced power management	Low power consumption
WPA/WPA2 (IEEE 802.11i), WEP 64/128 Support	Powerful data security.
Support 1Tx * 2Rx Radios	With Intelligent Antenna enables
WMM (IEEE 802.11e) standard support	Wireless Multimedia Enhancements Quality of Service support (QoS) / enhanced power saving for Dynamic Networking
USB 2.0/1.1	USB 2.0 interface and compatible with USB 1.1

*** Subject to change without prior notice

Technical Specifications

Data Rates

1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48, 54, 72, 84, 150 and 300Mbps (300 Rx PHY rate; 150Mbps Tx PHY support)

Standards / Compliance

IEEE802.3, IEEE802.3u, IEEE802.11b, IEEE802.11g, 802.11n (2.0)

Regulation Certifications

FCC Part 15, ETSI 300/328/CE

Operating Voltage

5 V ± 0.25V

Status LEDs

POWER / LINK

Drivers

Windows 2000/XP/Vista

RF INFORMATION

Frequency Band

U.S., Europe and Japan product covering 2.4 to 2.484 GHz, programmable for different country regulations

Media Access Protocol

Carrier Sense Multiple Access with Collision Avoidance (CSMA/CA)

Modulation Technology

802.11g: OFDM (64-QAM, 16-QAM, QPSK, BPSK)

802.11b: DSSS (DBPSK, DQPSK, CCK)

Operating Channels

11 for North America, 14 for Japan, 13 for Europe

Receive Sensitivity (Typical)

- 2.412~2.472G(IEEE802.11b) (1Rx)

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-91dBm @ 1Mbps

-87dBm @ 11Mbps

- 2.412~2.472G(IEEE802.11g) (2Rx)

-90dBm @ 6Mbps

-75dBm @ 54Mbps

- 2.412~2.472G(IEEE802.11N) (2Rx)

-88 dBm MCS 8

-65 dBm MCS 15

Available transmit power

- 2.412~2.472G(IEEE802.11b)

18dBm @1~11Mbps

- 2.412~2.472G(IEEE802.11g)

15 dBm @6Mbps

14 dBm @54Mbps

- 2.412~2.472G(IEEE802.11N)

15dBm

Antenna Configuration

1T2R Mode

NETWORKING

Topology

Ad-Hoc, Infrastructure

Security

WPA/WPA2 (AES, 64,128-WEP with shared-key authentication)

Cisco CCS V1.0, V2.0 and V3.0 compliant

PHYSICAL

Form Factor

USB 2.0/1.1

Dimensions (HxWxD)

77(L) mm x 23.5(W) mm x 11(H) mm

Weight

40 g/ 1.5oz

ENVIRONMENTAL

Temperature Range

Operating: 0°C to 50°C

Storage: -10°C to 75°C

Humidity (non-condensing)

5%~95% Typical

Package Contents

One Wireless-N USB Dongle

One CD-ROM with User's Manual and Drivers

One EUB-FLEX USB cable (15cm)

Related Product(s)

11N Wireless USB Adapter/MiniPCI

EUB-9701 EXT2 (802.11n 2.0 Palm type)

EUB-9701 (802.11n 2.0 USB 2T2R)

ESR-9710 (802.11n 2.0 Router)

High-power Wireless USB Adapter

EUB-362/362 EXT (802.11b/g)

EUB-862 EXT2 (802.11a/b/g)

High power Outdoor AP-Client

EOC-3220 Series (802.11b/g)

EOC-8610 Series (802.11a/b/g)

High power Indoor AP-Client

ECB-3220 Series / ECB-8610 Series