

# EUB9706

## Wireless 802.11 b/g/n USB adapter

|               |      |      |            |
|---------------|------|------|------------|
| 2.4 GHz b/g/n | 2T2R | 300M | USB1.1/2.0 |
|---------------|------|------|------------|

## 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)<br>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.

#### EnGenius Networks Singapore Pte Ltd

215 Henderson Road #01-04 Henderson Industrial Park Singapore 159554

Tel: +65-62271088 Fax: +65-62272766

Website: [www.engenustech.com.sg](http://www.engenustech.com.sg) Email: [inquiry@engenustech.com.sg](mailto:inquiry@engenustech.com.sg)



# EUB9706

Wireless 802.11 b/g/n USB adapter

2.4 GHz b/g/n

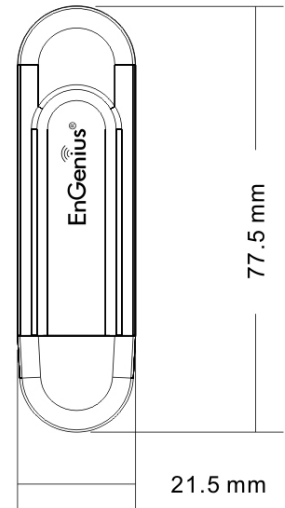
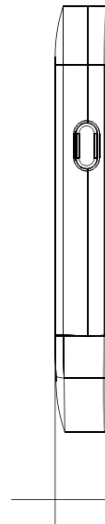
2T2R

300M

USB1.1/2.0



10.8 mm



## 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 <ul style="list-style-type: none"> <li>-11g: Best. 54, 48, 36, 24, 18, 12, 11, 9, 6, 5.5, 2, 1 in Mbps</li> </ul> </li> </ul> |                      |                      |
|                       | MCS                                                                                                                                                                                                                                                                                                                                                                               | Guard Interval 800ns | Guard Interval 400ns |

\* 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.

### EnGenius Networks Singapore Pte Ltd

215 Henderson Road #01-04 Henderson Industrial Park Singapore 159554

Tel: +65-62271088 Fax: +65-62272766

Website: [www.engenius-tech.com.sg](http://www.engenius-tech.com.sg) Email: [inquiry@engenius-tech.com.sg](mailto:inquiry@engenius-tech.com.sg)



# EUB9706

Wireless 802.11 b/g/n USB adapter

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)<br/>Optimal -91dBm @ 1Mbps</li> <li>● 2.412~2.472G(IEEE802.11g)<br/>Optimal -90dBm</li> <li>● 2.412~2.472G(IEEE802.11N)<br/>Optimal -90 dBm</li> </ul> |             |             |             |             |

\* 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.

## EnGenius Networks Singapore Pte Ltd

215 Henderson Road #01-04 Henderson Industrial Park Singapore 159554

Tel: +65-62271088 Fax: +65-62272766

Website: [www.engeniustech.com.sg](http://www.engeniustech.com.sg) Email: [inquiry@engeniustech.com.sg](mailto:inquiry@engeniustech.com.sg)



# EUB9706

## Wireless 802.11 b/g/n USB adapter

|               |      |      |            |
|---------------|------|------|------------|
| 2.4 GHz b/g/n | 2T2R | 300M | USB1.1/2.0 |
|---------------|------|------|------------|

|                           |                                                                                                                                                                                                         |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Available transmit power  | <ul style="list-style-type: none"> <li>● 2.412~2.472G(IEEE802.11b)<br/>Up to 18dBm</li> <li>● 2.412~2.472G(IEEE802.11g)<br/>Up to 15dBm</li> <li>● 2.412~2.472G(IEEE802.11N)<br/>Up to 15dBm</li> </ul> |
| Regulation Certifications | FCC Part 15, ETSI 300/328/CE                                                                                                                                                                            |

## SOFTWARE FEATURES

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

## ENVIRONMENT & PHYSICAL

|                           |                                                    |
|---------------------------|----------------------------------------------------|
| Temperature Range         | 0 to 45° C - Operating,<br>-10 to 70 ° C - Storage |
| Humidity (non-condensing) | 15% ~ 95% typical                                  |

\* 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.

**EnGenius Networks Singapore Pte Ltd**  
215 Henderson Road #01-04 Henderson Industrial Park Singapore 159554  
Tel: +65-62271088 Fax: +65-62272766  
Website: [www.engenustech.com.sg](http://www.engenustech.com.sg) Email: [inquiry@engenustech.com.sg](mailto:inquiry@engenustech.com.sg)

