

EUB9707

Wireless 802.11 b/g/n USB adapter

- 2.4 GHz
- 150Mbps
- USB 2.0



PRODUCT DESCRIPTION

The EUB9707 is a revolutionary 11N 1T1R Micro USB which is fully backward compatible with 802.11 b/g standard technology. This model is capable of achieving 3 times faster performance than G generation products. It features full coverage of wireless security including WEP 64/128, WPA and WPA2 and supports TKIP and AES encryption. Advanced external antenna design guarantees superior sensitivity and transmit power in comparison with tradition printed antenna.

USB interface and multiple driver support allows EUB9707 to be installed on any popular OS (including Windows 7/XP/2000/Vista and MacOS). EUB9707 is definitely a production of mobility and flexibility.

EUB-9707 Datasheet Version 11112008

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

CLIENT ADAPTER

EUB9707

TECHNICAL SPECIFICATION

> Hardware Specification

| | |
|--------------------|--|
| MAC/BB/RF | RT3070 |
| Standard | IEEE802.3, IEEE802.3u, IEEE802.11b, IEEE802.11g, IEEE802.11n |
| Physical Interface | USB2.0 |
| Operating Voltage | 3.3V |
| LED Status | Link Activity |
| Antenna | Chip Antenna |
| PCB dimension | 11mm x 33mm |

> RF Specification

| | |
|-----------------------|---|
| Frequency Band | 2.400 ~ 2.484 GHz |
| Modulation Technology | <ul style="list-style-type: none"> ● OFDM: BPSK, QPSK, 16-QAM, 64-QAM ● DBPSK, DQPSK, CCK |
| Operating Channels | 11 for North America, 13 for Europe |

Wireless Setting

- Operation Mode – Client mode
- 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:

| MCS index | Guard Interval 800ns | | Guard Interval 400ns | |
|-----------|----------------------|-------------|----------------------|-------------|
| | 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 |

| | |
|-------------------------------|--|
| Receive Sensitivity (Typical) | <ul style="list-style-type: none"> ● 2.412~2.472G(IEEE802.11b) <= -86 dBm ● 2.412~2.472G(IEEE802.11g) <= -88 dBm ● 2.412~2.472G(IEEE802.11N) <= -86 dBm |
| Available transmit power | <ul style="list-style-type: none"> ● 2.412~2.472G(IEEE802.11b) >= 16dBm @1~11Mbps ● 2.412~2.472G(IEEE802.11g) >= 16 dBm @6Mbps >= 12 dBm @54Mbps ● 2.412~2.472G(IEEE802.11N) >= 16dBm |
| Regulation Certifications | FCC Part 15, ETSI 300/328/CE |

SOFTWARE FEATURES

| | |
|----------|---|
| Wireless | WPA/WPA2 (AES, 64,128-WEP with shared-key authentication) WPS PIN, PBC (WiFi Protected Setup) QoS-WMM |
| Drivers | Windows XP 32/64, 2000, Vista32/64, Mac OS X support |

ENVIRONMENT & PHYSICAL

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

PACKAGE CONTENT

| |
|-------------------------------------|
| ▶ 1 x 802.11n USB adapter (EUB9707) |
| ▶ 1 x CD with User's Manual |

Contact

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