

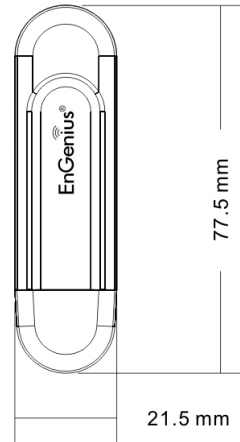
EUB-9706

Wireless 802.11 b/g/n USB adapter

- 2.4 GHz
- 2T2R
- 300Mbps
- USB 1.1/2.0



10.8 mm



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)

EUB-9706 Datasheet Version 23022009

*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

BUSINESS CLASS

EUB-9706

TECHNICAL SPECIFICATION																																																																																										
> Hardware Specification																																																																																										
CPU	RT3072																																																																																									
Standard	IEEE802.11b, IEEE802.11g, IEEE802.11n (2.0) IEEE802.11e (WMM), l, 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																																																																																									
> 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, 14 for Japan, 13 for Europe																																																																																									
Wireless Setting	<ul style="list-style-type: none"> Operation Mode – Client Wireless Mode – 11b / 11g / 11n Channel Selection (Setting varies by Country) Channel Bandwidth (Auto, 20Mhz, 40Mhz) Transmission Rate <ul style="list-style-type: none"> -11g: Best. 54, 48, 36, 24, 18, 12, 11, 9, 6, 5.5, 2, 1 in Mbps <table border="1" data-bbox="568 1270 1429 1806"> <thead> <tr> <th rowspan="2">MCS index</th> <th colspan="2">Guard Interval 800ns</th> <th colspan="2">Guard Interval 400ns</th> </tr> <tr> <th>20MHz(Mbps)</th> <th>40MHz(Mbps)</th> <th>20MHz(Mbps)</th> <th>40MHz(Mbps)</th> </tr> </thead> <tbody> <tr><td>0</td><td>6.5</td><td>13.5</td><td>7.2</td><td>15</td></tr> <tr><td>1</td><td>13</td><td>27</td><td>14.4</td><td>30</td></tr> <tr><td>2</td><td>19.5</td><td>40.5</td><td>21.7</td><td>45</td></tr> <tr><td>3</td><td>26</td><td>54</td><td>28.9</td><td>60</td></tr> <tr><td>4</td><td>39</td><td>81</td><td>43.3</td><td>90</td></tr> <tr><td>5</td><td>52</td><td>108</td><td>57.8</td><td>120</td></tr> <tr><td>6</td><td>58.5</td><td>121.5</td><td>65</td><td>135</td></tr> <tr><td>7</td><td>65</td><td>135</td><td>72.2</td><td>157.5</td></tr> <tr><td>8</td><td>13</td><td>27</td><td>14.4</td><td>30</td></tr> <tr><td>9</td><td>26</td><td>54</td><td>28.9</td><td>60</td></tr> <tr><td>10</td><td>39</td><td>81</td><td>43.3</td><td>90</td></tr> <tr><td>11</td><td>52</td><td>108</td><td>57.8</td><td>120</td></tr> <tr><td>12</td><td>78</td><td>162</td><td>86.7</td><td>180</td></tr> <tr><td>13</td><td>104</td><td>216</td><td>115.6</td><td>240</td></tr> <tr><td>14</td><td>117</td><td>243</td><td>130</td><td>270</td></tr> <tr><td>15</td><td>130</td><td>270</td><td>144.4</td><td>300</td></tr> </tbody> </table>	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	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
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Receive Sensitivity (Typical)	<ul style="list-style-type: none"> ● 2.412~2.472G(IEEE802.11b) Optimal -91dBm @ 1Mbps ● 2.412~2.472G(IEEE802.11g) Optimal -90dBm ● 2.412~2.472G(IEEE802.11N) Optimal -90 dBm
Available transmit power	<ul style="list-style-type: none"> ● 2.412~2.472G(IEEE802.11b) Up to 18dBm ● 2.412~2.472G(IEEE802.11g) Up to 15dBm ● 2.412~2.472G(IEEE802.11N) 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	0 to 45° C - Operating, -10 to 70 ° C - Storage
Humidity (non-condensing)	15% ~ 95% typical