

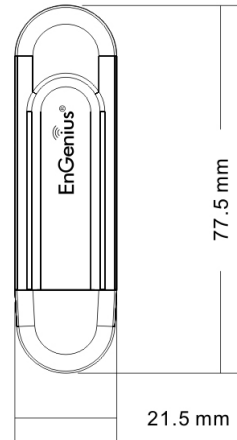
EUB-9801

Wireless Dual Band 802.11 a/b/g/n USB adapter

- 2.4 GHz b/g/n
- 5.0 GHz a
- USB 1.1/2/0



10.8 mm



77.5 mm

21.5 mm

PRODUCT DESCRIPTION

EUB9801 is a new generation dual band client adapter. It supports both 2.4Ghz and 5Ghz bands with high performance. It applies **2T2R** architecture with full compatibility with IEEE 802.11n and backward support for legacy b/g APs. Most importantly, 5Ghz band guarantees an interference-free network access.

PACKAGE CONTENT

- > 1* Dual Band USB adapter (EUB9801)
- > 1* QIG
- > 1* CD (User's Manual)

EUB-9706 Datasheet Version 03042009

*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-9801

TECHNICAL SPECIFICATION																																																																																										
> Hardware Specification																																																																																										
CPU	RT3572																																																																																									
Standard	IEEE802.11b, IEEE802.11g, IEEE802.11n (2.0) IEEE802.11a IEEE802.11e (WMM), I, f and h standards, IEEE802.1x																																																																																									
Physical Interface	USB 1.1 / 2.0																																																																																									
Operating Voltage	5V																																																																																									
LED Status	Link Activity & PWR																																																																																									
WPS	WPS button																																																																																									
> RF Specification																																																																																										
Frequency Band	2.400 ~ 2.484 GHz and 5.180~5.825 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 – 11a / 11b / 11g / 11n Channel Selection (Setting varies by Country) Channel Bandwidth (Auto, 20Mhz, 40Mhz) Transmission Rate <ul style="list-style-type: none"> -11a: Best. 54, 48, 36, 24, 18, 12, 11, 9, 6, 5.5, 2, 1 in Mbps -11g: Best. 54, 48, 36, 24, 18, 12, 11, 9, 6, 5.5, 2, 1 in Mbps -11n: <table border="1" data-bbox="568 1302 1429 1816"> <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
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																																																																																						

Receive Sensitivity (Typical)	<ul style="list-style-type: none"> ● 2.412~2.472G(IEEE802.11b) (1Rx) -90dBm @ 1Mbps ● 2.412~2.472G(IEEE802.11g) (2Rx) -90dBm @ 6Mbps -71dBm @ 54Mbps ● 2.412~2.472G(IEEE802.11n) (2Rx) -88 dBm MCS 8 -69 dBm MCS 15 ● 5.180~5.825G(IEEE802.11a) (2RX) -90dBm @ 6Mbps -71dBm @ 54Mbps ● 5.180~5.825G(IEEE802.11n) (2RX) -88dBm @ MCS 8 -68dBm @ MCS 15
Available transmit power	<ul style="list-style-type: none"> ● 2.412~2.472G(IEEE802.11b) 18 dBm @ 1~11Mbps ● 2.412~2.472G(IEEE802.11g) 17 dBm @6Mbps 15 dBm @54Mbps ● 2.412~2.472G(IEEE802.11n) 15dBm @MCS 8 ● 5.180~5.825G(IEEE802.11a) 15dBm ● 5.180~5.825G(IEEE802.11n) 13dBm
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
Dimension	77(L) mm x 23.5(W) mm x 11(H) mm

