

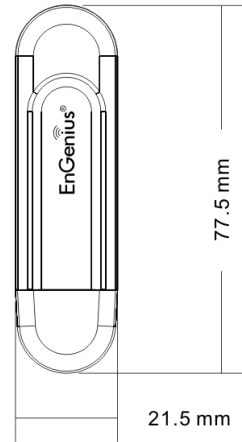
EUB600

Wireless Dual Band USB adapter

- 2.4 GHz IEEE 802.11 b/g/n
- 5.0 GHz IEEE 802.11 a/n
- USB 1.1/2.0



10.8 mm



PRODUCT DESCRIPTION

The EnGenius Dual Band USB Adapter (EUB600) implements 802.11a/n technology which extremely improves wireless signal for your computer than existing wireless 802.11g technology. It supports the 2T2R MIMO architecture with fully compatibility with IEEE802.11n. The incredible speed of EUB600 USB adapter makes heavy traffic networking activities more flexible and takes the wireless into practical road. Most importantly, 5Ghz band guarantees an interference-free network access.

PACKAGE CONTENT

- 1* Dual Band USB adapter (EUB600)
- 1* QIG
- 1* CD (User's Manual)

TECHNICAL SPECIFICATION

> Hardware Specification

CPU	RT3572
Standard	IEEE802.11a , IEEE802.11b, IEEE802.11g, IEEE802.11n
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 1224 1429 1738"> <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) (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/Windows 7, Linux 2.4 and 2.6, MAC OSX

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

EUB600 Datasheet Version 05092012

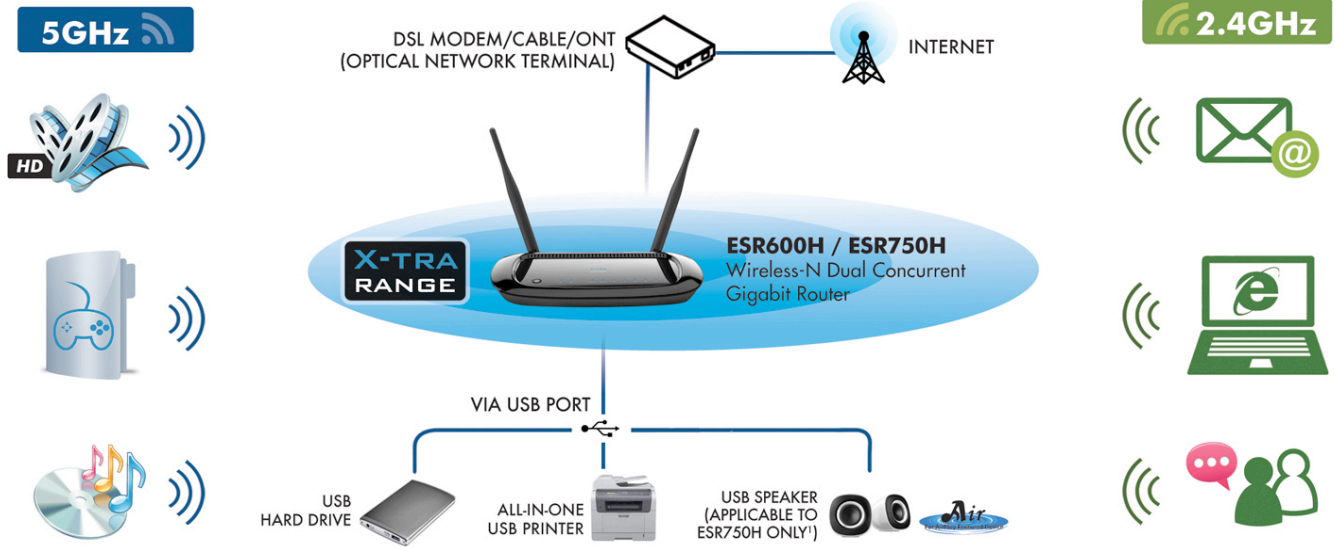
*Theoretical wireless signal rate based on IEEE standard of 802.11 a, b, g, n chipset used. Actual throughput may vary. Network conditions and environmental factors lower actual throughput rate.

** All specifications are subject to change without notice

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> Application Diagram



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