



802.11a/g/b 200mW High Powered Wireless USB Adapter

EUB-862

Offering high output power up to 200mW (23dBm), dual band connectivity (802.11a & 802.11g/b), throughput speeds up to 108Mbps *in SuperG mode* and up to date features such as 802.1x support, the EUB-862 is truly a robust solution for those in search of a high powered USB adapter with dual band capabilities. Secure connections are achieved using the built-in WPA and 156-bit WEP encryption methods.

Specifications

Features:

- High Speed Data Rates up to 108Mbps (Super A/G)
- High Output Power (Up to 23dBm)
- Standard (AES), Temporal Key Integrity Protocol (TKIP) and Wired and Equivalent Privacy (WEP)
- IEEE802.1x Client support
- Support for draft IEEE 802.11h, i and j standard
- Support for 802.11e standard
- Advanced Power Management
- Supports eXtended Range technology

Networking:

- **Topology:** Ad-Hoc, Infrastructure
- **Security:** IEEE 802.1x support for LEAP/PEAP
- WPA – Wi-Fi Protected Access (AES, 64, 128, 152-WEP with shared-key authentication)

Physical:

- **Form Factor:** USB 2.0
- **Antenna:** Single Dipole antenna
- **Dimensions:** 75.2(L)mm x 53.9(W)mm x 14(H)mm
- **Weight:** 40g/1.5oz
- Status LEDs – RF link activity

Environmental:

- **Temperature Range:**
Operating: 0°C to 55°C
Storage: -20°C to 75°C
- **Humidity (non-condensing):**
5%~95% Typical

Package Contents:

- 1x USB Adapter *EUB-862
- 1x Quick Start Guide
- 1x CD-ROM with User's Manual and Drivers
- 1x USB Cable

Technical Specification:

- **Data Rates:**
802.11a: 6, 9, 12, 18, 24, 36, 48, 54, 72, 96 & 108 (Super A) Mbps
802.11g: 6, 9, 12, 18, 24, 36, 48, 54, 72, 96 & 108 (Super B) Mbps
802.11b: 1,2,5.5, 11Mbps
- **Standards/Compliant:**
IEEE802.11, IEEE802.11a, IEEE802.11g, IEEE802.11b, draft IEEE802.11e, f, h, & i standards, IEEE802.1x
- **Regulation Certificates:** FCC Part 15/UL, ETSI 300/328/CE
- **Operation Voltage:** -5V ± 0.25V
- **Drivers:** Windows 98SE/ME/2000/XP
- RF Information
- **Frequency Band:**
802.11a: 5.15~5.25GHz, 5.25~5.35GHz, 5.47~5.725GHz, 5.725~5.825GHz
802.11b/g: 2.412GHz~2.472GHz
- **Media Access Protocol:** Carrier Sense Multiple Access with Collision Avoidance (CSMA/CA)
- **Modulation Technology:**
802.11a/g: OFDM (64-QAM, 16-QAM, QPSK, BPSK)
802.11b: DSSS (DBPSK, DQPSK, CCK)
- **Operating Channel:** 11 for North America
- **Receive Sensitivity (Typical):**
5.15~5.825GHz:
6Mbps@ -90dBm; 54Mbps@ -74dBm
2.412~2.472GHz(IEEE802.11g):
6Mbps@ -92dBm; 54Mbps@ -76dBm
2.412~2.472GHz(IEEE802.11b):
11Mbps@ -92dBm; 1Mbps@ -96dBm
- **Available transmit power:**

5.15~5.35GHz	5.47~5.725GHz
20 ± 1dBm @6~24Mbps	19 ± 1dBm @6~24Mbps
19 ± 1dBm @36Mbps	18 ± 1dBm @36Mbps
18 ± 1dBm @48Mbps	17 ± 1dBm @48Mbps
17 ± 1dBm @54Mbps	16 ± 1dBm @54Mbps

5.725~5.825GHz	2.412~2.472GHz (IEEE802.11g)
18 ± 1dBm @6~24Mbps	23 ± 1dBm @6~24Mbps
17 ± 1dBm @36Mbps	22 ± 1dBm @36Mbps
16 ± 1dBm @48Mbps	21 ± 1dBm @48Mbps
15 ± 1dBm @54Mbps	20 ± 1dBm @54Mbps

2.412~2.472GHz (IEEE802.11b)
23 ± 1dBm @1~11Mbps

All specifications are subject to change by EnGenius without prior notice