

iWavePort WLU108AG

WIRELESS SUPER-AG 108Mbps XR™ USB 2.0 ADAPTER



- ◆ **Atheros Super-AG technology provides robustness & connection stability**
- ◆ **USB 2.0 Plug-and-Play versatility**
- ◆ **Operates on 24 non-overlapping channels to avoid network congestion**
- ◆ **Small and compact form factor allows WLU108AG to be plugged into any two tier USB ports**



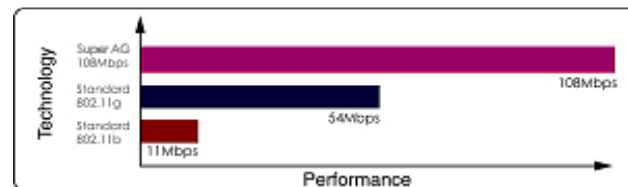
The new **Compex WLU108AG Wireless 108Mbps Super-AG USB 2.0 Adapter with eXtended Range** now comes equipped with a MC connector for convenient connection to **Compex External Range extenders** which allows you to boost your wireless connection range further. Packed with the same unique features, **WLU108AG** delivers the performance and capabilities that every mobile user is looking for. The in-built **Atheros Super-AG technology** provides higher throughput and the ability to operate in more channels. Embedded with **Atheros chipset**, it boasts network robustness, stability and wider coverage for long-range connectivity. Despite its small size, the **WLU108AG** is big on features; compatibility with wireless 802.11a/b/g networks ensures that you can be connected easily. Super-AG compatibility allows fast transfer rates of up to 108Mbps at 5GHz.

Connecting to a wireless LAN without adequate security measures generally opens up your shared folders to any casual snoopers. To protect your privacy, **WLU108AG** is armed with many enhanced wireless security features such as **Wi-Fi Protected Access (WPA)**, **IEEE 802.1x Authentication** and **64/128/152-bit WEP (Wired Equivalent Privacy)** to ensure privacy for the heterogeneous mix of users within the same wireless LAN, while maintaining full access to the establishment's resources.

Leveraging on the ease of plug-and-play feature of USB, **WLU108AG** is truly your convenient solution to connect any PC or laptop to a network.

Compact and Mobile

Compex WLU108AG is designed for the mobile generation. The casing is compact and sleek, with a built-in antenna to further preserve the miniature footprint.



Fast and Reliable Transmission

The **WLU108AG** delivers a speed of up to 108Mbps, 15 times the speed of any standard 11b devices in a pure Super-G environment. At the same time, the **WLU108AG** provides reliable wireless transmission to all wireless users with its auto fallback capability. Extended Range feature gives you twice the range as compared to normal wireless devices.

“ClearVoice” band

WLU108AG makes use of the 802.11a band to avoid network congestion as well as to receive better and clearer signals for network users.

USB powered and USB 2.0 fast transfer rate

Leveraging on the USB standard, the **WLU108AG** is powered through USB connection and requires no additional power adapter. USB 2.0 offers a transfer rate of up to 40 times that of USB 1.1 giving you not only the performance but also the speed of a Super-G.

Atheros extended Range (XR) technology

Provides wider coverage in corners of the home, office or hotspot and eliminates indoor “dead spots”.

iWAVEPORT WLU108AG

TECHNICAL SPECIFICATIONS

STANDARDS

- IEEE 802.11a
- IEEE 802.11g
- IEEE 802.11b
- IEEE 802.11

SPEED

Up to 108Mbps with eXtended Range (Super-AG)

WIRELESS FREQUENCY RANGE

IEEE 802.11a	5 - 5.850 GHz
IEEE 802.11g	2.412 ~ 2.497 GHz
IEEE 802.11b	2.412 ~ 2.484 GHz

WIRELESS OPERATING RANGE

IEEE 802.11a	100m (54Mbps outdoor)
	30m (54Mbps indoor)
IEEE 802.11g	100m (outdoor)
	30m (indoor)
IEEE 802.11b	300m (outdoor)
	100m (indoor)

*Subjected to environmental conditions.

NETWORK INTERFACE

USB: 1* USB2.0 ports (Plug-and-Play)

MODULATION TECHNIQUES

OFDM (BPSK, QPSK, 16-QAM, 64-QAM)
DSSS (DBPSK, DQPSK, CCK)

RECEIVER SENSITIVITY

Up to -95dBm

OPERATING CHANNELS

US and Canada	11 Channels
Europe	13 Channels
Japan	14 Channels

SECURITY

- 64/128/152-bit WEP
- WPA-PSK, WPA-EAP, WPA2
- IEEE 802.1x Authentication

ANTENNA TYPE

Built-in Dielectric Antenna.
Integrated MC connector for external antenna connection.

LED INDICATORS

Power, Link

POWER REQUIREMENTS

Input Voltage: 5V DC, 500mA (MAX)

WIRELESS TRANSMIT POWER

IEEE 802.11a	17dBm (+1.0dBm/ -1.5dBm)
IEEE 802.11g	20 dBm (+1.0dBm/ -1.5dBm)
IEEE 802.11b	20 dBm (+1.0dBm/ -1.5dBm)

SAFETY & EMISSIONS

Emissions: FCC part 15 Class B, CISPR 22 EN55022 Class B
EN55081-1, EN61000-3-2, EN61000-3-3, Gost, C-Tick
Immunity: EN55024 (IEC 61)
FCC Part 15 Sub Class B, CE & R&TTE
CE Mark, EN 60950

TEMPERATURE

Operating 0°C to 55°C
Storage -20°C to 70°C

HUMIDITY

Operating 10% to 70% (non-condensing)
Storage 5% to 90% (non-condensing)

DIMENSIONS & WEIGHT

Dimensions	87mm x 26.6 mm x 7.7 mm
Weight	20 grams

