

MIMO Wireless USB Adapter

The WNC-0500USB MIMO XR™ Wireless LAN USB Adapter improves wireless transmission over long distance and enables you to connect to wireless networks at farther distances than before. The dual built-in antenna diversity allows for high-data data transmission rates at farther distances as well as eliminating “dead-spots” within the wireless network.

Higher Data Throughput

This MIMO USB adapter supports higher data throughput than IEEE 802.11g, with data transmission rates of up to 54Mbps. In Turbo Mode data is compressed to decrease the waiting time to send data to a wireless access point or router. When the adapter is connecting to wireless access points or routers that support Turbo Mode, no configuration is needed since the adapter will automatically enable this feature making the wireless connection more efficient.

The adapter is also backward compliant with 802.11b and 802.11g standards giving better performance when connected standard Access Points or Routers.

Excellent solution for enhanced Multi-Media use

With improved wireless connection, this USB wireless adapter is an excellent solution to enhance Voice over Internet Protocol (VoIP) and other priority data transmission that requires high-speed wireless connections to deliver real time audio and video.

The QoS (Quality of Service) feature of the MIMO USB adapter defines data priorities of data traffic by specifying data categories that need priority transfers to provide enhanced multimedia and voice support.

Security

The WNC-0500USB MIMO XR™ Wireless LAN USB Adapter supports an array of security features to protect the network data transmitted over the wireless network. It provides 64/128-bit WEP data encryption with WPA (Wi-Fi Protected Access), TKIP (Temporal Key Integrity Protocol) keys and IEEE 802.1x user authentication.

Furthermore, this adapter supports WPA2 that provides a stronger encryption mechanism through AES (Advanced Encryption Standard), which is a requirement for corporate and government users.

Advanced Wireless Network Efficiency

The WNC-0500USB MIMO XR™ Wireless LAN USB Adapter is an advanced and cost-effective network access adapter that is the best solution available to enhance wireless connections to a wireless network. A more efficient and high-speed wireless network is now feasible when the WNC-0500USB is deployed within a LevelOne MIMO wireless network.



WNC-0500USB

Related Products



WNC-0500

MIMO Wireless PCI Card



WPR-0500

MIMO Wireless PCMCIA Adapter

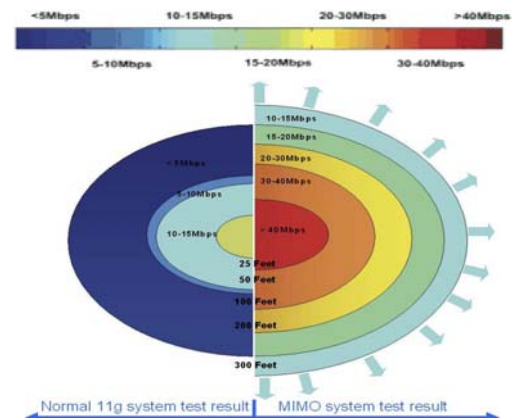


WAP-0010

MIMO Wireless Access Point

Key Features

- MIMO XR™ Technology eliminates dead-spots and extends wireless coverage
- High-speed transfer data rate
- Backward compliant with IEEE 802.11b and 802.11g networks
- High security level with 64/128-bit WEP, WPA (TKIP with IEEE 802.1x), WPA2 (AES with IEEE 802.1x) security keys and user authentication
- Supports enhanced Wireless Turbo Mode
- Supports USB 2.0/1.1 interface
- Built-in QoS WMM (IEEE 802.11e) for multi-media data bandwidth management



Technical Specification

- **Standard Conformance**
IEEE802.11b/g,
- **Bus Type**
USB Mini-B connector
- **Frequency Band**
2.4000~2.4835GHz
- **Media Access Control**
CSMA/CA with ACK
- **Data Transfer Rate**
802.11g up to 54 Mbps (6/9/12/18/24/36/48/54 Mbps)
802.11b up to 11Mbps (1/2/5.5/11 Mbps)
- **Modulation**
OFDM with BPSK, QPSK, 16QAM, 64QAM(11g), BPSK, QPSK, CCK
- **Antenna**
One external antenna and one internal antenna
- **Transmit Power**
18dBm ~ 20dBm
- **Range**
Indoor: approx. 35~200 meters
Outdoor: approx. 100~400 meters
- **Security**
64/128-bit WEP Data Encryption,
WPA (TKIP, with IEEE 802.1x)
WPA2 (Windows 2000/XP Only)
- **LEDs**
Link, Activity
- **Drivers**
Windows 98SE/ME/2000/XP/Vista
- **Temperature**
Operating Temperature: 0~55°C
- **Humidity**
Operating Humidity: Max. 95%(non-condensing)
- **Dimensions**
100mm(D) *65 mm (W) * 15mm(H)
- **Certification**
FCC, CE

Product Diagram



Ordering Information

- WNC-0500USB: MIMO Wireless USB Adapter