

MIMO Wireless Broadband Router

With its revolutionary wireless technology, the **LevelOne WBR-5400 MIMO** (Multi-Input, Multi-Output) wireless broadband router and other MIMO lines of products allow you to utilize the very superior wireless connection.

Compatible with Proven Technology -- Based on proven technology, our WBR-5400 is backward compatible with IEEE 802.11g and IEEE 802.11b for faster data transfer rates. There is no need to replace your existing wireless device to realize the advantages of MIMO technology thus protecting your original investment. The WBR-5400 also works seamless with legacy wireless devices with increased performances rates of up to 50%.

Improved Wireless Throughput -- In order to create a solid wireless connection, LevelOne WBR-5400 consistently and quickly boosts your WLAN throughput to meet the requirement for streaming video, VoIP application, gaming and large files sharing. Wireless throughput drops rapidly the greater the distance between signal sender and receiver and also varies in quality depending on construction materials between the two devices. Upon evaluation, the wireless throughput for our WBR-5400 after penetrating three walls still reached 27Mbps, better than other MIMO products.

Greater Wireless Signal Coverage -- Featuring the latest MIMO XR technology, our WBR-5400 is equipped with multiple antennas to receive more than one signal simultaneously. If any of these signals should be blocked, the WBR-5400 then keeps processing signals received from other antennas to maintain network connectivity therefore seriously reducing dead spots and extending your range.

Tough Wireless Security Protection – The WBR-5400 provides uncompromised security protection. This device supports not only NAT firewall with SPI mode to protect the network against DoS attacks but also featured IPSec, PPTP, L2TP VPN pass-through to prevent unwanted access by potential hackers. The choice of 64/128-bit WEP encryption, WPA, WPA2 locks out unauthorized wireless access while AES/TKIP encryption secures wireless traffic data integrity. Furthermore, this device prevents unexpected access by providing IEEE802.1x user authentication mechanism for sensitive data transmission.



WBR-5400

Related Products



WNC-0500

MIMO Wireless PCI Card



WPC-0500

MIMO Wireless PCMCIA Adapter

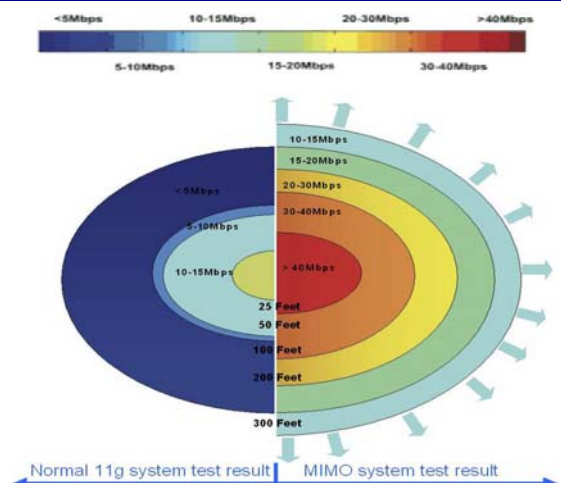


WAP-0010

MIMO Wireless Access Point

Key Features

- Backward Compatible with IEEE 802.11b/g Standards
- Provides Stable Throughput and Improves Wireless Coverage
- Mitigate Dead Spots and Provides Robust Connection
- Cost Optimized MIMO Solution
- Integrates with 4-port Fast Ethernet Switch
- Built-in NAT Functions
- Built-in Firewall to Protect Your Intranet
- Supports 64/128-bit WEP Encryption, WPA, WPA2, 802.1x and 802.11i
- Supports Popular OS Including: Windows™ 98/SE/ME/2000/XP



Technical Specification

- **Standard Conformance**
IEEE802.11b/g,
IEEE802.1x,
- **Network Interfaces**
LAN: 4 x 10/100 Mbps Auto-MDIX RJ-45 Ethernet port
WAN: 1 x 10/100 Mbps Auto-MDIX RJ-45 Ethernet port
- **Memory**
DRAM: 2Mbyte
Flash ROM: 1Mbyte

Router Features

- **Supported WAN Type**
Static IP Address/ Dynamic IP Address (DHCP client)
PPPoE/ PPTP/ L2TP
- **NAT Functionality**
One-to-Many NAT
One-to-One NAT
Virtual Server
DMZ Host
- **Access Control**
MAC-level Access Control
Inbound/Outbound IP Filter
Domain Access Control

Radio Operation

- **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 and DSSS (BPSK / QPSK / CCK)
- **Number of Channels (Fixed)**
North America: 11 Channels
European: 13 Channels
Japan: 14 Channels
- **Antenna**
3 x 5dbi detachable Antenna
- **Transmitter Output Power:**
18dBm
- **Operation Range:**
Indoor: approx. 35~200 meters
Outdoor: approx. 100~400 meters

Security

- **Firewall**
NAT firewall with SPI mode
Dos Detection
- **Event Logging**
On-web logging
Syslog supported
Email alert
- **VPN Supporting**
IP Sec, PPTP, L2TP pass through
- **Wireless Security**
WEP 64/128-bit Web share key encryption,
WPA, WPA2
802.1x user authentication in windows XP
WPA authentication using EAP-MD5, EAP-TLS, EAP-TTLS, PEAP
WPA-AES
802.11i

Management

- Web Based Management
- Windows Utility

Other Features

- DDNS Supported
- UPnP Supported
- SNMP Supported

Physical Spec.

- **Power Adapter**
1 x AC 12V/1A Power Adapter
- **Temperature**
Operating Temperature: 0~40°C
Storage Temperature: -20~70°C
- **Humidity**
Operating Humidity: 10%~90%(non-condensing)
Storage Humidity: 0~95%(non-condensing)
- **Dimensions**
141mm(L) * 100mm(W) * 27mm(H)
- **Certification**
FCC, CE

Product Diagram

Extends Wireless LAN Coverage



Ordering Information

- WBR-5400: MIMO Wireless Broadband Router