MIMO Wireless AP Switch

With its revolutionary wireless technology**,** our **LevelOne** WAP-0010 MIMO (Multi-Input, Multi-Output) wireless AP switch and other MIMO product lines allow you to enjoy the very superior wireless connection.

Compatible with Proven Technology -- Based on proven technology, our WAP-0100 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 WAP-0010 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 WAP-0010 consistently and quickly boosts your WLAN throughput to meet requirements 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 WAP-0010 after penetrating three walls still reached 27Mbps, better than other MIMO products.

Greater Wireless Signal Coverage -- Featuring the latest MIMO XR technology, our WAP-0010 is equipped with multiple antennas to receive more than one signal simultaneously. If any of these signals should be blocked, the WAP-0010 then keeps processing signals received from other antennas to maintain network connectivity therefore seriously reducing dead spots and extending your range.

Multi-purpose Wireless AP Switch -- The WAP-0010 provides a 4-port 10/100 Mbps switch, witch supports connection functions for four workstations. In order to activate different wireless applications, our WAP-0010 supports AP, WDS and Hybrid multiple operation modes. 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 an IEEE802.1x user authentication mechanism for sensitive data transmission.

WAP-0010

Related Products
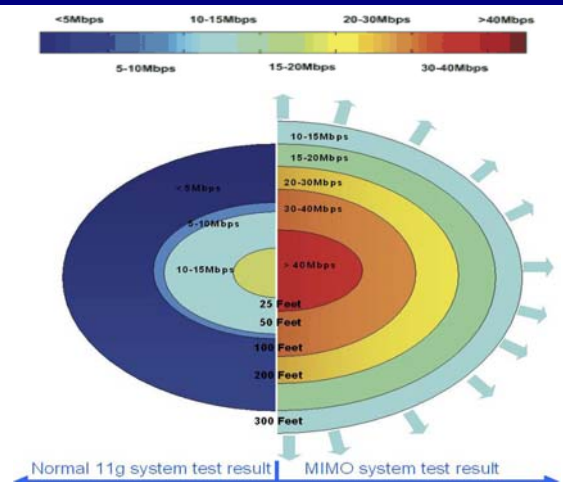
WNC-0500
MIMO Wireless PCI Card

WPC-0500
MIMO Wireless PCMCIA Adapter

WAP-0010
MIMO Wireless AP Switch

Key Features

- Backward Compatible with IEEE 802.11b/g Standards
- Built-in 4-port Switch
- Provides Stable Throughput and Improves Wireless Coverage
- Mitigate Dead Spots and Provides Robust Connection
- Cost Optimized MIMO Solution
- Supports 64/128-bit WEP Encryption, WPA, WPA2, 802.1x
- Supports AP, WDS and Hybrid operation modes
- Supports Popular OS Including: Windows ™ 98/SE/ME/2000/XP

Technical Specification

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

Wireless Features

- **Data Transfer Rate**
  802.11g up to 54 Mbps (6/9/12/18/24/36/48/54 Mpbs)
  802.11b up to 11Mbps (1/2/5.5/11 Mbps)
- **Modulation**
  OFDM and DSSS (BPSK / QPSK / CCK)
- **Frequency**
  2.4GHz
- **Number of Channels (Fixed)**
  North America/FCC: 2.412~2.462GHz (11 Channels)
  European/ETSI: 2.412~2.472GHz (13 Channels)
  Japan/TELEC: 2.412~2.484GHz (14 Channels)
- **Antenna**
  3 x 5dbi detachable Antenna
- **Transmitter Output Power**:
  18dBm
- **Operation Range**:
  Indoor: approx. 35~200 meters
  Outdoor: approx. 100~400 meters
- **Operation Modes**
  AP/ WDS/ Hybrid (AP+ WDS)

- **Security**
  64/128-bit WEP Encryption
  WPA(TKIP)/ WPA2
- **Authentication**
  MAC Address
  IEEE 802.1x protocol

Management

Web Based Management

Other Features

DHCP Server Supported
SNMP Supported

Physical Spec.

- **Power Adapter**
  1 x DC 12V/1A Power Adapter
- **Temperature**
  Operating Temperature: 0~40℃
  Storage Temperature: -20~70℃
- **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

Ordering Information

- WAP-0010:   MIMO Wireless AP Switch