



Wireless 11g Outdoor PoE AP WAB-3002

Fast and Far-Reaching Outdoor Wireless

LevelOne's WAB-3002 is an outdoor PoE access point that can be deployed in AP, client, bridge, and repeater modes. This versatile AP allows installers to build wireless networks on the 11b (11 Mbps) and 11g (54 Mbps) protocols in the 2.4 GHz spectrum. With the N-type connector, installers are free to choose an antenna that best fits their requirement.

High Output Power for Extended Coverage

The LevelOne WAB-3002 support optional High Power RF transmission for long distance Point-to-Point or Point-to-Multipoint Deployment

Power Over Ethernet = Simple Installation

It's not always easy to find a power outlet, especially when you're on the roof of a building trying to connect 2 LANs in bridge mode. We've taken this into consideration and have made WAB-3002 PoE-compliant, making installation simple and easy.

Weatherproof

Snow, rain, typhoons, desert heat, etc., this AP is up to the challenge. The WAB-3002 is IP-66 rated so you can deploy your wireless network in any harsh weather condition.

Security

In addition to the industry security standards (WEP/WPA/WPA2), WAB-3002 also comes with MAC address filtering and tunneling to let network admins know exactly which stations have access to the network.



WAB-3002

Key Features

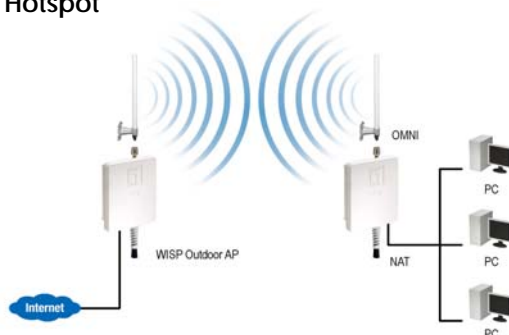
- IEEE 802.11b/g standard compliant operates on the 2.4 GHz unlicensed ISM spectrum
- Data rate of up to 54 Mbps
- Point-to-point and point-to-multi-point topology
- Optional Hi-Power RF transmission
- ACK timeout adjustment for long distance applications
- 802.11i and 802.1x security support
- PoE power supply and data transmission
- IP-66 weather-proof design

Package Contents

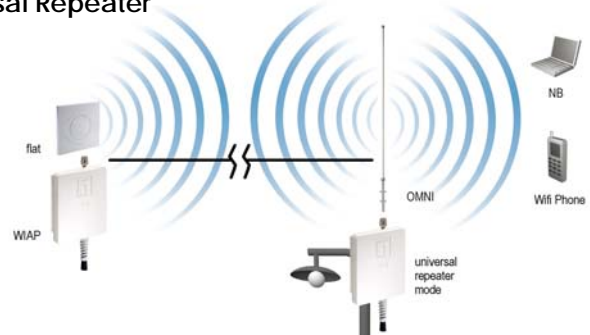
- WAB-3002
- Power over Ethernet Injector (POI-2000)
- Wall/Pole mounting kit
- Waterproof kit for Ethernet cable
- User Manual CD-ROM

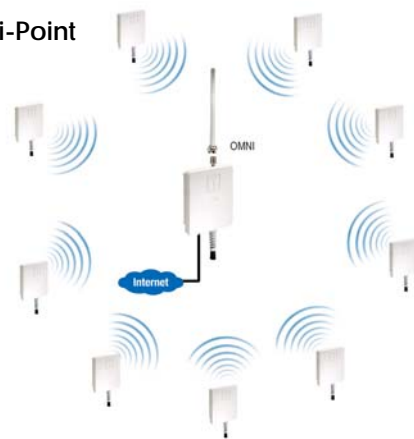
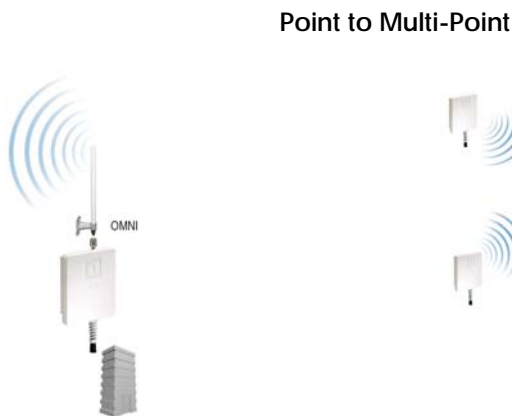
Product Diagram (zoom in for a detailed view)

Hotspot



Universal Repeater





Technical Specifications

Interface

- 1 X Wireless IEEE802.11b/g
- 1 X 10/100 Mbps Auto-MDIX RJ-45 Ethernet port
- 1 X RS232 console port connector

Antenna Type

- External Type with N-type jack connector

Data Transfer Rates

- 1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48, 54 Mbps

Frequency Band

- 2.400~2.484 GHz

Security

- IEEE802.1x Authenticator / RADIUS Client (EAP-MD5/TLS/TTLS) Support in AP Mode
- WPA /WPA2
- MAC address filtering
- Hide SSID in beacons
- User isolation
- NAT in CR mode

IEEE Standards

- IEEE802.11b/g, IEEE802.1x,
- IEEE802.3, IEEE802.3u
- IEEE802.3af
- Media Access Protocol: Carrier Sense Multiple Access with Collision Avoidance (CSMA/CA)

Modulation Technology

- Orthogonal Frequency Division Multiplexing (OFDM)
- DBPSK @ 1 Mbps
- DQPSK @ 2 Mbps
- CCK @ 5.5 & 11 Mbps
- BPSK @ 6 and 9 Mbps
- QPSK @ 12 and 18 Mbps
- 16-QAM @ 24 and 36 Mbps
- 64-QAM @ 48 and 54 Mbps

Operating Channels

- 11 for North America
- 14 for Japan
- 13 for Europe
- 4 for France
- 2 for Spain

Receiver Sensitivity

- 802.11g:**
- 88 dBm @ 6 Mbps
 - 70 dBm @ 54 Mbps
- 802.11b:**
- 92 dBm @ 1 Mbps
 - 85 dBm @ 11 Mbps

Transmitter power

- 2.412~2.472 GHz (11g)**
- 20 dBm @ 54 Mbps
- 2.412~2.472 (11b)**
- 20 dBm @ 11 Mbps

Operation Mode

- AP mode/Client Bridge mode
- Universal Repeater mode
- Point-to-point , point-to-multi point WDS mode

Topology

- Infrastructure, WDS

Configuration

- Web-based configuration (HTTP)
- SNMP V1, V2c
- Telnet

Firmware Upgrade

- Upgrade firmware via web-browser

IP Auto-configuration

- DHCP client/server

Physical Specifications

Housing

- IP-66 rated housing

Dimensions

- Length= 163.8mm
- Width = 135.2mm
- Height= 52.0mm

Weight

- 1.2 Kg (2.6 lbs)

Power Requirements

- Active Ethernet (802.3af)
– 48 VDC/0.3A

Environmental

Temperature Range

Operating: 0°C to 65°C
(32°F to 149°F)
Storage: -20°C to 80°C
(-4°F to 176°F)

Humidity (non-condensing)

5%~95% Typical

Regulation Certifications

FCC Part 15/UL, ETSI 300/328/CE

Ordering Information

WAB-3002: Wireless 11g Outdoor PoE Access Point