



Wireless 11g Outdoor PoE AP



WAB-3002

H/W Version: 1

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.



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

Works Well With



WAN-2218
11b/g 18dBi Directional Yagi
Outdoor Antenna



OAN-0600
Dual-Band Omni-Directional
Antenna

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 Mbp
802.11b: 92 dBm @ 1Mbps
85 dBm @ 11Mbps

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)

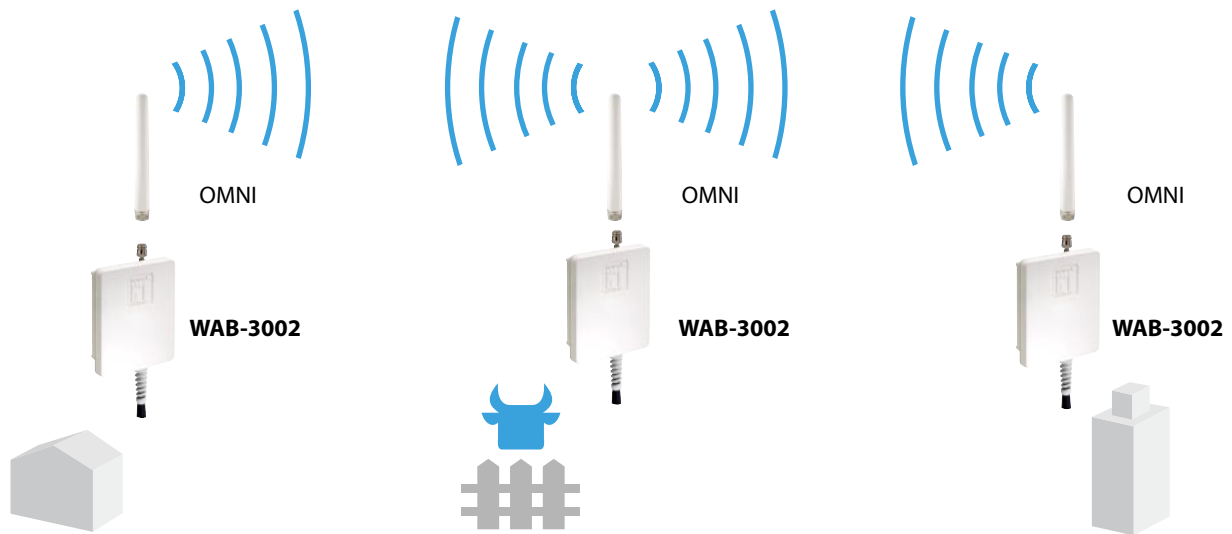
5%~95% Typical

Regulation Certifications

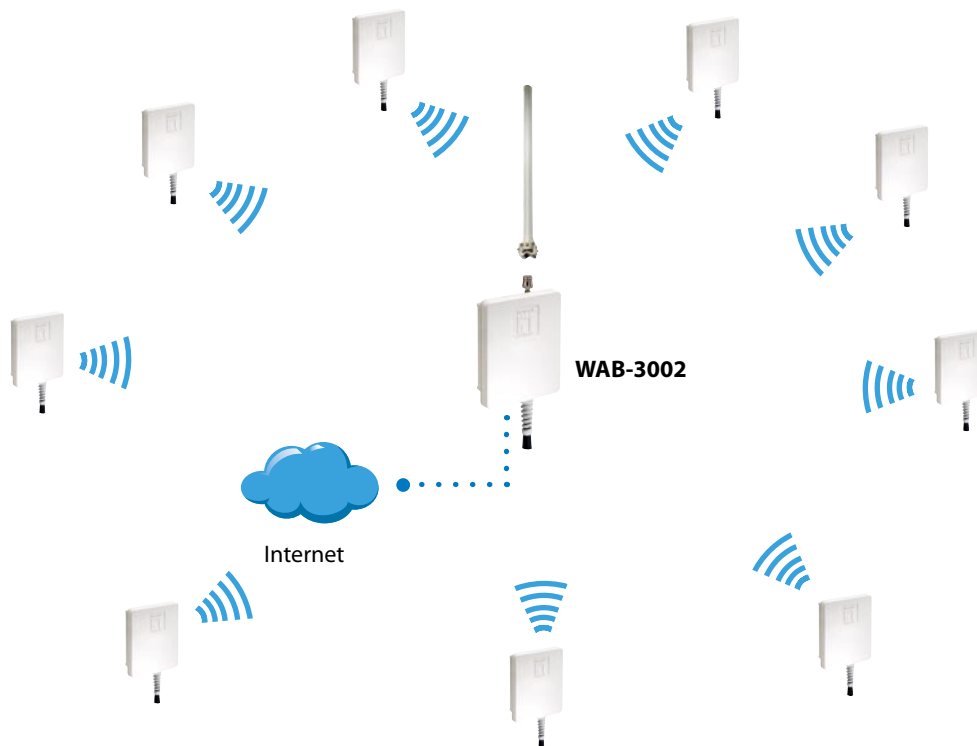
FCC Part 15, CE

Product Diagram

WDS-Application



Point to Multi-Point



Order Information

Package Contents

WAB-3002: Wireless 11g Outdoor PoE Access Point

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



Optional Accessories



ANC-4230
400 Series N plug to N plug Cable
3m



ANC-2210
200 Series N plug to N plug Cable
1m