



Wireless 11g Outdoor PoE AP w/ Built-In 9dBi Antenna



WAB-3001

H/W Version: 1

Fast and Far-Reaching Outdoor Wireless

LevelOne's WAB-3001 is an outdoor PoE access point that comes with a built-in 9 dBi antenna. This versatile AP allows installers to build wireless networks on the 11b (11 Mbps) and 11g (54 Mbps) protocols. This AP can be deployed in AP, client, bridge, and repeater modes.

High Output Power for Extended Coverage

The LevelOne WAB-3001 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-3001 PoE compliant, making installation simple and easy.

Weatherproof

Snow, rain, typhoons, desert heat, etc., this AP is up to the challenge. The WAB-3001 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-3001 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

Related Products



WAB-3002
Wireless 11g Outdoor PoE
Access Point

WAB-7000
Wireless 11a/b/g Outdoor PoE
Access Point

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

Integrated 9 dBi flat panel antenna

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)

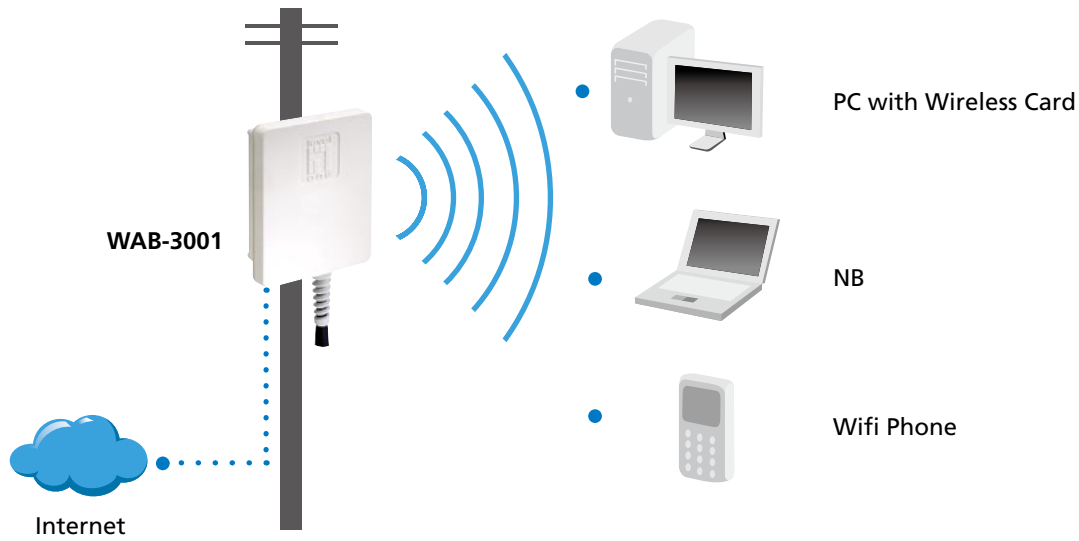
Humidity (non-condensing)

5%~95% Typical

Regulation Certifications

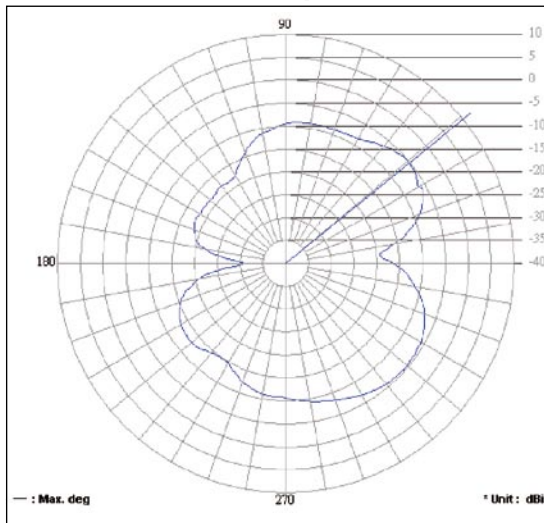
FCC Part 15, CE

Product Diagram

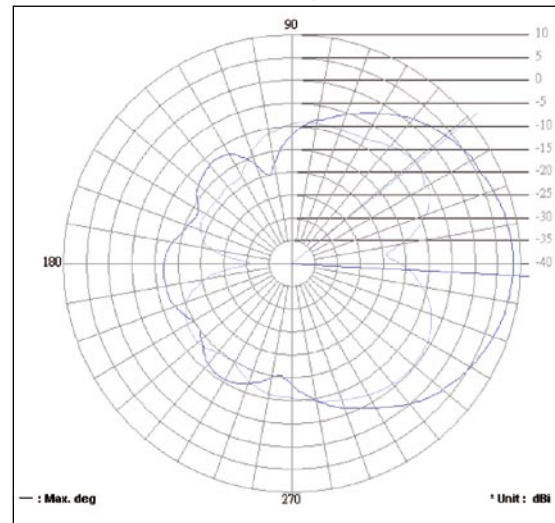


Radiation Pattern

Antenna radiation pattern: H Plan



Antenna radiation pattern: V Plan



Order Information Package Contents

WAB-3001: Wireless 11g Outdoor PoE Access Point w/ Built-In 9 dBi
WAB-3001
Power over Ethernet Injector (POI-2000)
Wall/Pole mounting kit
Waterproof kit for Ethernet cable
CD-ROM

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