



WAB-8011 Version: 1

AC1200 Dual Band Outdoor PoE Wireless Access Point, Controller Managed

The LevelOne WAB-8011 is a managed, outdoor dual-band 802.11ac/n wireless access point, capable of a combined speed of up to 1200 Mbps. The device runs on 2.4 and 5 GHz frequencies, and can be used as part of a managed network when controlled by the LevelOne WAC-2000/WAC-2003 Wireless LAN Controller. LevelOne WAB-8011 also offers PoE, removing the need for an external power supply, which makes it easy to install. Advanced weatherproof design, rated to IP65 means the WAP is designed for outdoor deployments, and can withstand rain, humidity, dust, snow and extremely hot conditions. A fast, versatile and secure access point for a wide variety of outdoor network requirements.

Key Features

- Share your wireless network up to 1200Mbps
- For IEEE 802.11a/b/g/n/ac Wireless applications in 2.4/5 GHz frequency range
- Router/AP/Repeater/WISP operation modes to suite different wireless applications
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- Weatherproof IP65-rated housing
- Provides up to 8 SSIDs to separate network traffic and enhance security

Compatible With



WAC-2000

Gigabit Wireless LAN Controller



WAC-2003

Gigabit Wireless LAN Controller, Quad WAN

Specifications

System Specifications

Standards & Protocols:

- IEEE 802.11a/b/g/n/ac
- IEEE 802.3 10-BASE-T, Ethernet
- IEEE 802.3u 100-BASE-TX, Fast Ethernet
- IEEE 802.3ab 1000BASE-T, Gigabit Ethernet
- IEEE 802.11e Wi-Fi Multimedia (WMM)
- IEEE 802.11i Wi-Fi Protected Access (WPA2)
- IEEE 802.3at Power over Ethernet

**Connectors and Cabling:**

1*10/100/1000Mbps WAN port

Button/Knob:

1* Reset Button

Power Input:

IEEE 802.3at PoE

Power Consumption:

<30W

Wireless**Operating Mode:**

Wireless AP

Gateway

WISP

WiFi Repeater

Encryption:

64/128-bit WEP

WPA / WPA2

WPA-PSK/ WPA2-PSK encryption

Receive Sensitivity(dBm):

2.4GHz:

802.11n (20MHZ): Range -79 dBm

802.11n (40MHZ): Range (-75) dBm

802.11g 6Mbps: Range (-95) dBm .

802.11g 54Mbps: Range (-82) dBm .

802.11b 1Mbps: Range (-99) dBm.

802.11b 11Mbps: Range (-92) dBm.

5GHz:

802.11a 6Mbps: Range (-92) dBm .

802.11a 54Mbps: Range (-75) dBm .

802.11n (20MHZ): Range (-72) dBm.

802.11n (40MHZ): Range (-70) dBm .

802.11ac (20MHZ): Range (-70) dBm .

802.11ac (40MHZ): Range (-66) dBm .

802.11ac (80MHZ): Range (-62) dBm .

Channel:

Ch.1 ~ 11 USA

Ch.1 ~ 13 EU

Ch.36~165 Country

EIRP(dBm):

5GHz:

11a 6Mbps: 23dBm

11a 54Mbps: 20dBm

11ac HT20: 20dBm

11ac HT40: 19dBm

11ac HT80: 18dBm

11n HT20: 20dBm

11n HT40: 20dBm

2.4GHz:

11b 1Mbps: 29dBm

11g 54Mbps: 27dBm

11n HT20: 26dBm

11n HT40: 26dBm

Antenna:

2 N male Connectors for 2.4 GHz

2 N male Connectors for 5 GHz

Frequency Band (GHz):

2.4 ~ 2.4835 GHz

5.15 ~ 5.35 GHz

5.46 ~ 5.72 GHz

5.725~ 5.825 GHz

Modulation:

OFDM = BPSK,QPSK, 16-QAM, 64-QAM; DSSS = DBPSK, DQPSK, CCK

Data Transfer Rate:

802.11AC:433.3~130Mbps

802.11n: 300 ~ 78 Mbps

802.11g: 54 ~ 6 Mbps

802.11b: 11 ~ 1 Mbps

802.11a:54~1.5Mbps(54~6)

Features

General:

Multi-SSID: 4 SSIDs for 2.4GHz, 4 SSIDs for 5GHz

PoE:

IEEE 802.3at PoE

Security:

SSID Broadcast On/Off

Management:

Web-Based GUI Configuration

QoS:

802.11e WMM Supported

Ease of Use:

Web-based GUI with Quick Installation Wizard

Web-based (HTTP) firmware upgrade

Performance

Number of Clients:

Maximum:100

Recommend:80

Environment

Temperature (°C):

Operating: -40 ~ 50°C

Storage: -40°C ~ 70°C

Humidity (Non-condensing):

Operating Humidity: 10%~90% non-condensing

Storage Humidity: 5%~90% non-condensing

Installation:

Weatherproof IP65-rated housing

Physical Specifications

Dimensions (W x D x H mm):

380*230*85 mm



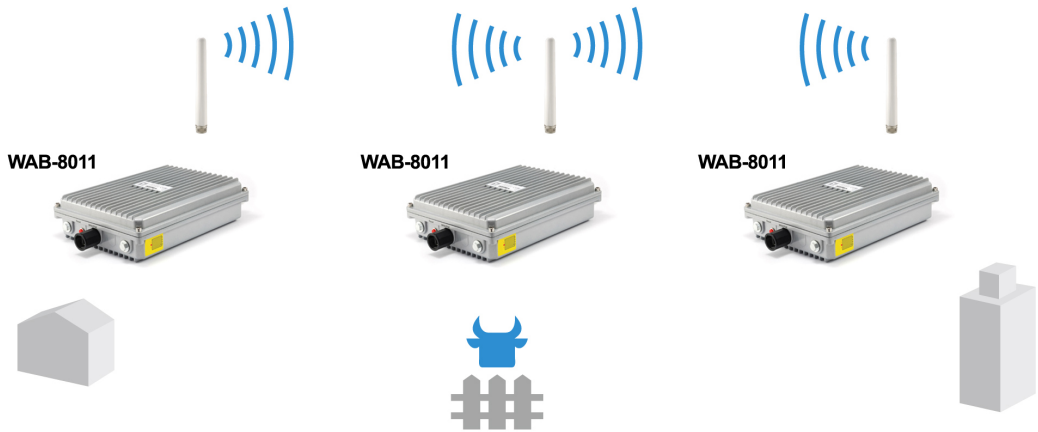
Weight (g):
4000

Approval and Compliance

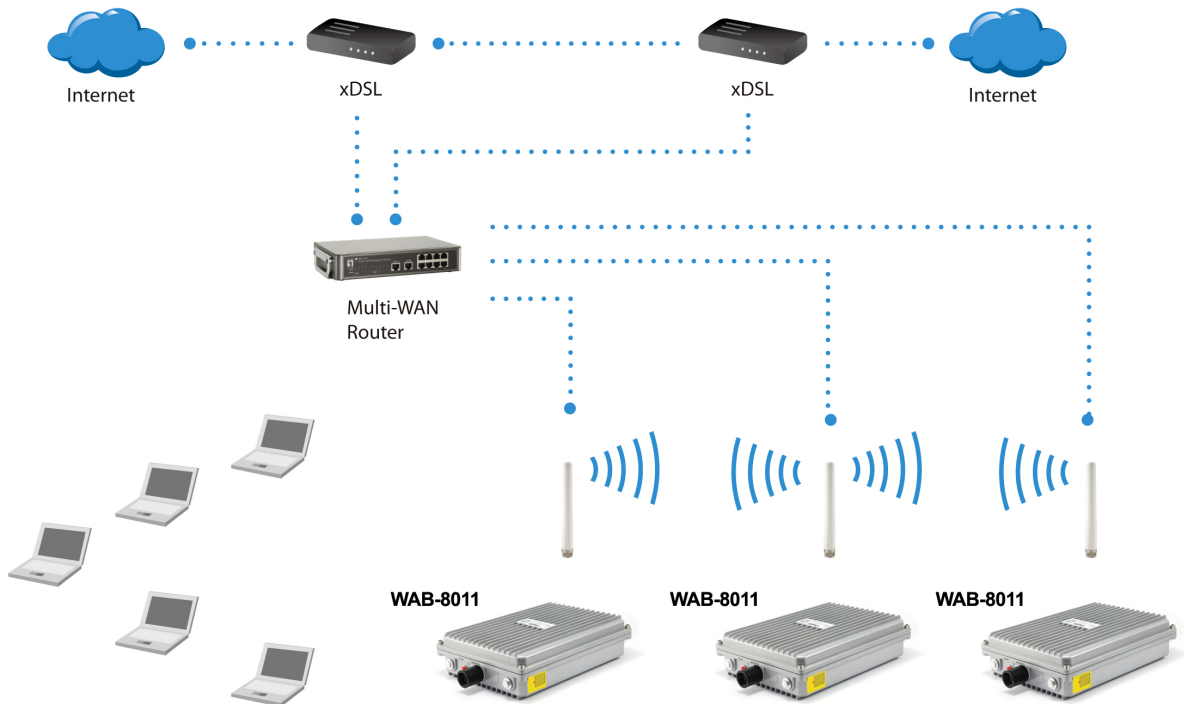
EMI/EMS:
CE,FCC

Diagram

WDS Mode



AP Mode



Order Information

WAB-8011

Package Contents

WAB-8011

Wall Mount Kit

Resource CD (User Manual, QIG)

Quick Installation Guide

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