



WAB-8011 Version: 1

! Power supply unit is to be ordered separately.

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
- Compatible with IEEE 802.11a/b/g/n/ac wireless standards
- Dual band technology reduces interference for reliable connections
- Router/AP/Repeater/WISP operation modes to suite different wireless applications
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- Provides up to 8 SSIDs to separate network traffic and enhance security
- Weatherproof IP65-rated housing

Compatible With



OAN-2090

9dBi 2.4GHz Omni-directional Outdoor Antenna



OAN-2121

12dBi 2.4GHz Omnidirectional Antenna, Indoor/Outdoor



OAN-4102

10dBi 5GHz Omnidirectional Antenna, Indoor/Outdoor



OAN-4121
12dBi 5GHz Omnidirectional Antenna, Indoor/Outdoor



WAC-2000
Gigabit Wireless LAN Controller



WAC-2003
Gigabit Wireless LAN Controller, Quad WAN



WAN-2121
12dBi 2.4GHz Directional Panel Antenna



WAN-2182
18dBi 2.4GHz Directional Panel Antenna



WAN-2201
20dBi 2.4GHz Directional Panel Antenna



WAN-4201
20dBi 5GHz Directional Panel Antenna



WAN-7151
15dBi 2.4GHz Directional Dual-Polarization Panel Antenna



WAN-9151
15dBi 5GHz Directional Dual-Polarization Panel Antenna



WAN-9180

18dBi 5GHz Directional Dual-Polarization Outdoor Panel Antenna

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 802.11e Wi-Fi Multimedia (WMM)

IEEE 802.11i Wi-Fi Protected Access (WPA2)

IEEE 802.11a, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n, IEEE 802.11AC Wireless Networking

IEEE 802.3 af(at) Power over Ethernet

Port:

1*10/100/1000Mbps WAN port

Button/Knob:

1* Reset Button

Power Input:

IEEE 802.3at PoE

Power Consumption:

<20W

Wireless

Operating Mode:

Wireless AP

Gateway

WISP

WiFi Repeater

Encryption:

64/128-bit WEP

WPA/WPA2

WPA-PSK/WPA2-PSK

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 By 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 x N female Jack Connectors for 2.4 GHz
2 x N female Jack Connectors for 5 GHz

Frequency Band:

2.4~2.5/4.9~5.9 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)

Others:

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

Features

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):
0°C~50°C

Humidity (Non-condensing):
95% @ 55°C

Physical Specifications

Dimensions (W x D x H mm):
215mm x280mm x 80mm

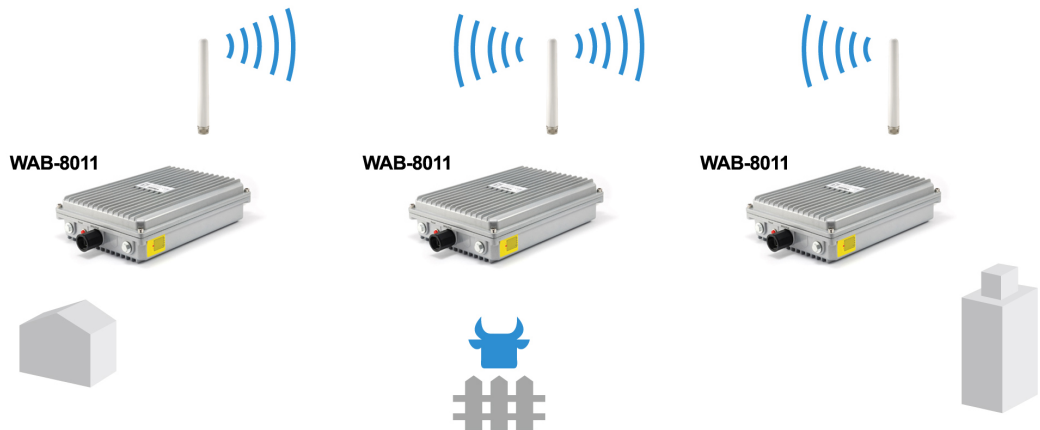
Approval and Compliance

Safety:
CE

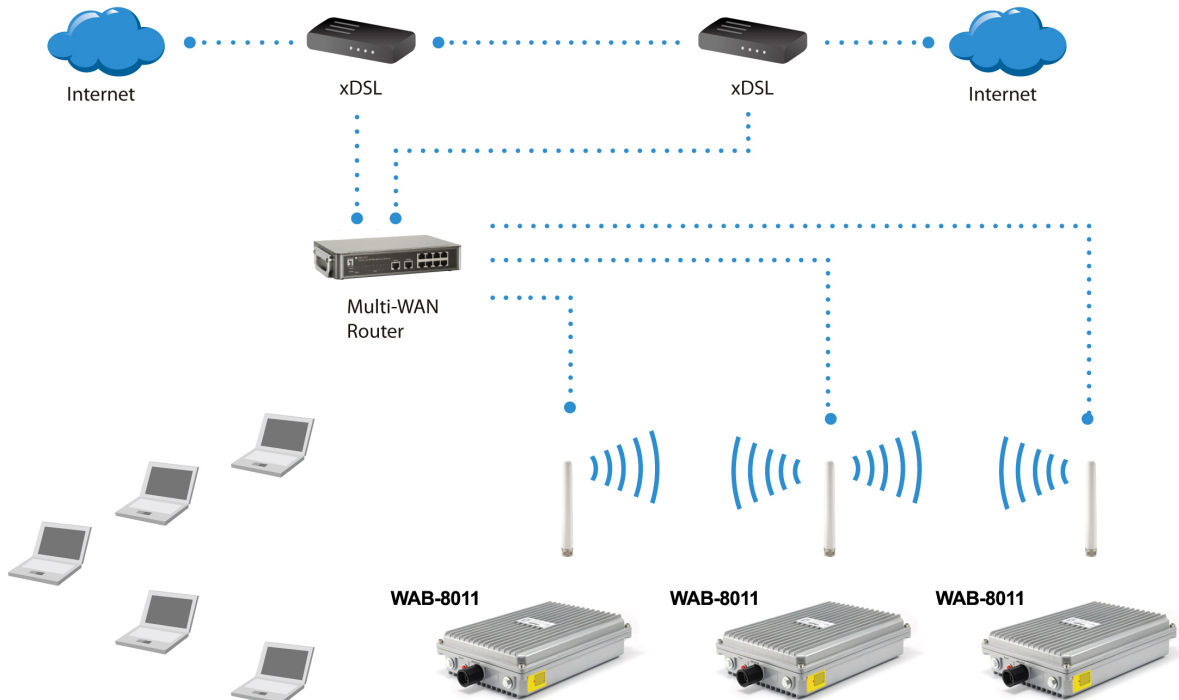


Diagram

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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