

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

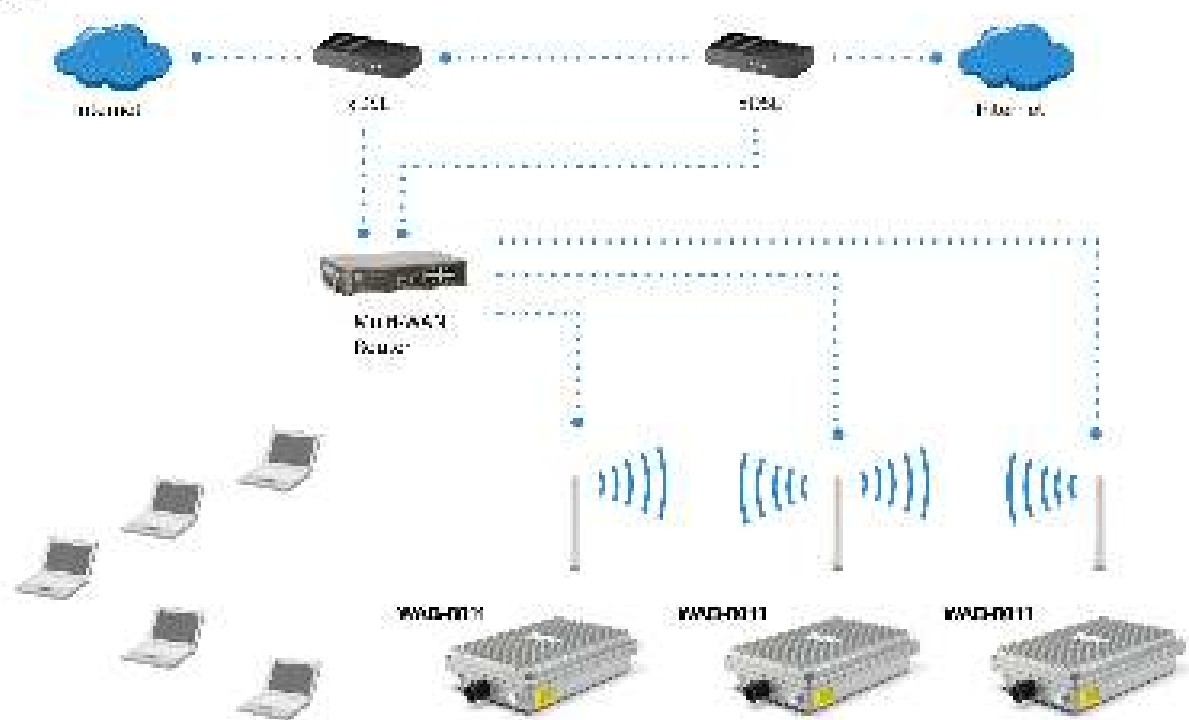
EMI/EMS:  
CE,FCC

## 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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