

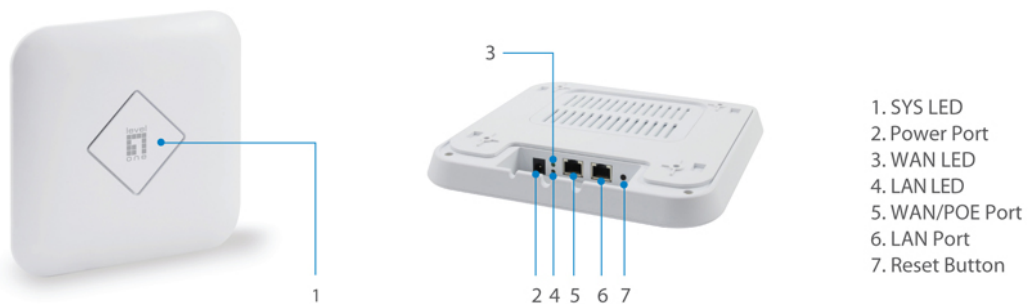


WAP-8122 Version: 1

## AC1200 Dual Band PoE Wireless Access Point, Ceiling Mount, Controller Managed

The LevelOne WAP-8122 is a sophisticated, fast dual-band managed wireless access point, offering up to 867 Mbps on the 5 GHz band and up to 300 Mbps on the 2.4 GHz band. It provides a combined throughput of 1200 Mbps using 802.11ac standards. The advanced wireless access point also supports all legacy wireless devices on 802.11a/b/g/n. WAP-8122 performs automatic testing and assigns channels dynamically to detect conflicts and channel interference, constantly optimising performance in the background. The device runs on PoE, negating the need for electrical wiring.

Central management allows for adjustments to the RF (Radio Frequency) environment, further optimising the performance of the network by adjusting and balancing workloads as well as detecting areas of weak reception. Unauthorized APs will be detected and turned off, and the captive portal provides one convenient location for authentication of WEP, WPA-PSK, WPA-TKIP and WPA2 AES protocols. The device supports up to four SSIDs allowing unique configuration settings for different network regions. The sophisticated and stylish access point mounts on a ceiling, providing a low-profile, highly effective networking solution.



### Key Features

- Compatible with IEEE 802.11a/b/g/n/ac wireless standards
- Multi-operation modes to suit 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
- Auto Channel Selection for low interference band



## Compatible With



**WAC-2000**  
Gigabit Wireless LAN Controller

## Specifications

### System Specifications

#### Standards & Protocols:

IEEE 802.3 10-BASE-T, Ethernet  
IEEE 802.3u 100-BASE-TX, Fast Ethernet  
IEEE 802.11e Wi-Fi Multimedia (WMM)  
IEEE 802.3x Ethernet Flow Control  
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 at Power over Ethernet

#### Connectors and Cabling:

1x 10/100M/1000Mbps Base-TX PoE Port  
1x 10/100Mbps Base-TX Port"

#### Button/Knob:

Reset button

#### Indicator:

Power, System status

#### Power Input:

Power over Ethernet (IEEE802.3at) 48 VDC  
Power supply DC 12V / 1A

#### Power Consumption:

<17W

### Wireless

#### Operating Mode:

Wireless AP  
Gateway  
WiFi Repeater  
WISP

#### Encryption:

WEP 64/128/152-bit Web share key encryption  
WPA, WPA2 128-bit TKIP/AES encryption  
WPA, WPA2-PSK TKIP/AES encryption

#### Receive Sensitivity(dBm):

##### 2.4GHz:

802.11n (20MHZ): Range -85 dBm  
802.11n (40MHZ): Range (-82) dBm  
802.11g 6Mbps: Range (-85) dBm  
802.11g 54Mbps: Range (-68) dBm  
802.11b 1Mbps: Range (-83) dBm  
802.11b 11Mbps: Range (-76) dBm

##### 5GHz:

802.11a 6Mbps: Range (-85) dBm  
802.11a 54Mbps: Range (-68) dBm  
802.11n (20MHZ): Range (-85) dBm  
802.11n (40MHZ): Range (-82) dBm  
802.11ac (20MHZ): Range (-82) dBm  
802.11ac (40MHZ): Range (-79) dBm  
802.11ac (80MHZ): Range (-79) dBm

**Channel:**

Ch.1 ~ 11 USA

Ch.1 ~ 13 EU

Ch.36~165 Country

**EIRP(dBm):****5GHz:**

11a 6Mbps: 26DBM

11a 54Mbps: 23DBM

11ac HT20: 23DBM

11ac HT40: 22DBM

11ac HT80: 21DBM

11n HT20: 23DBM

11n HT40: 23DBM

**2.4GHz:**

11b 1Mbps: 29DBM

11g 54Mbps: 27DBM

11n HT20: 26DBM

11n HT40: 26DBM

**Antenna:**

1 \* 5GHz 5dBi internal antennas

2 \* 2.4GHz 5dBi internal antennas

**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:54~6 Mbps

**Features****General:****Multi-SSID:**

2.4GHz, 4 SSID

5GHz, 4 SSID

**PoE:**

IEEE 802.3at

**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: -20°C ~ 50°C  
Storage: -40°C ~ 70°C

Humidity (Non-condensing):  
Storage: 5 ~ 90%  
Operating: 10 ~ 90%

## Physical Specifications

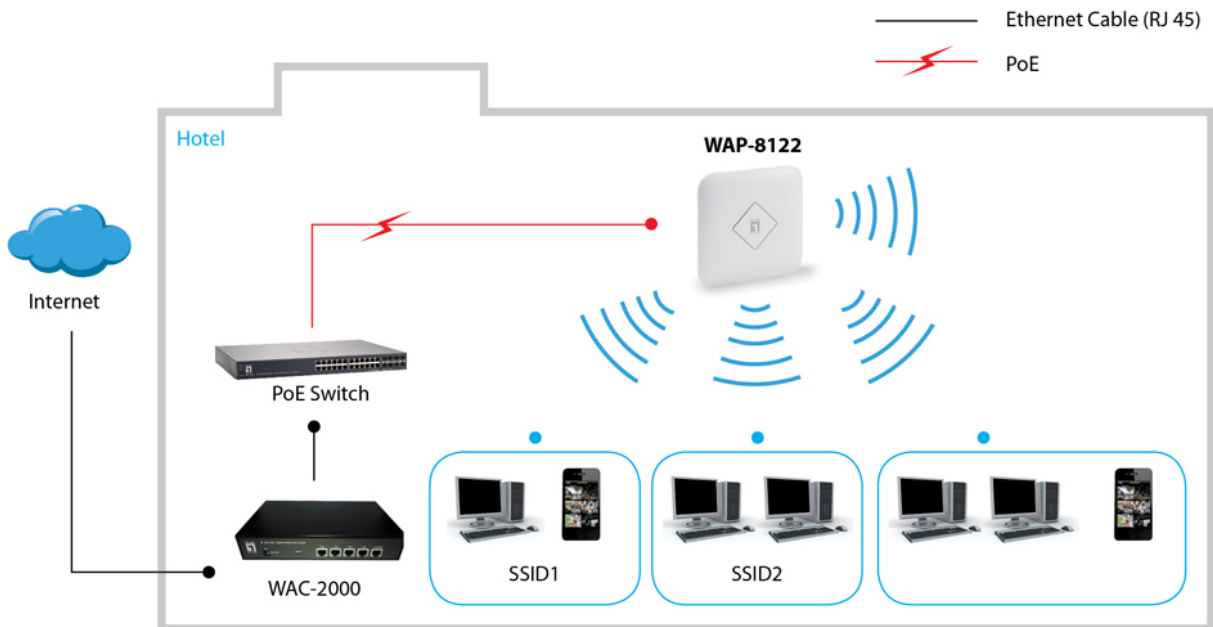
Dimensions (W x D x H mm):  
198mm\*198mm\*28mm

Weight (g):  
521

## Approval and Compliance

EMI/EMS:  
CE / FCC

## Diagram



## Order Information

WAP-8122

## Package Contents

WAP-8122

RJ45 Network Cable

Quick Installation Guide

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