



WAP-8121 Version: 2

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**!** Power supply unit is to be ordered separately.

## AC750 Dual Band PoE Wireless Access Point, Ceiling Mount, Controller Managed

LevelOne's WAP-8121 is a managed, dual-band wireless access point, capable of a combined speed of up to 750 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 WAP-8121 also offers PoE, removing the need for an external power supply, which makes it easy to install. A fast, versatile and secure access point for a wide variety of network requirements.

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### Key Features

- Compatible with IEEE 802.11a/b/g/n/ac wireless standards
  - Multi-operation modes to suit different wireless applications
  - IEEE 802.3af 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
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### 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  
IEEE 802.3 af Power over Ethernet

##### Port:

1x 10/100Mbps Base-TX PoE Port  
1x 10/100Mbps Base-TX Port

##### Button/Knob:

Reset button

##### Indicator:

Power  
WiFi

**Power Input:**

Power over Ethernet (IEEE802.3af) 48 VDC

Power supply DC12V / 1.5A

**Power Consumption:**

15W

**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 (-70) dBm

802.11n (40MHZ): Range (-68 ) dBm

802.11g: Range (-72) dBm

802.11b: Range (-95) dBm

5GHz:

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

802.11ac (40MHZ): Range (-65) dBm

802.11ac (20MHZ): Range (-68) dBm

802.11n (40MHZ): Range (-68 ) dBm

802.11n (20MHZ): Range (-70) dBm

802.11a: Range (-72) dBm

**Channel:**

Ch.1 ~ 11 USA

Ch.1 ~ 13 EU

Ch.36~165 Country

**EIRP(dBm):**

(Controllable for different country regulations)

5GHz:

802.11a 6Mbps: 23dBm

802.11a 54Mbps: 22dBm

802.11ac HT20: 20dBm

802.11ac HT40: 20dBm

802.11ac HT80: 18dBm

802.11n HT20: 20dBm

802.11n HT40: 20dBm

2.4GHz:

802.11b 1Mbps: 26dBm

802.11g 54Mbps: 23dBm

802.11n HT20: 23dBm

802.11n HT40: 22dBm

**Antenna:**

1 \* 5GHz 5dBi internal antenna

2 \* 2.4GHz 5dBi internal antennas

**Frequency Band:**

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 Mbps

802.11n: 300 Mbps

802.11g: 54 Mbps

802.11b: 11 Mbps

802.11a/g:54 Mbps

## Features

**General:**

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

**PoE:**

IEEE 802.3af

**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:80

Recommend:64

## 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):**

189\*189\*38.5mm

**Weight (g):**

326

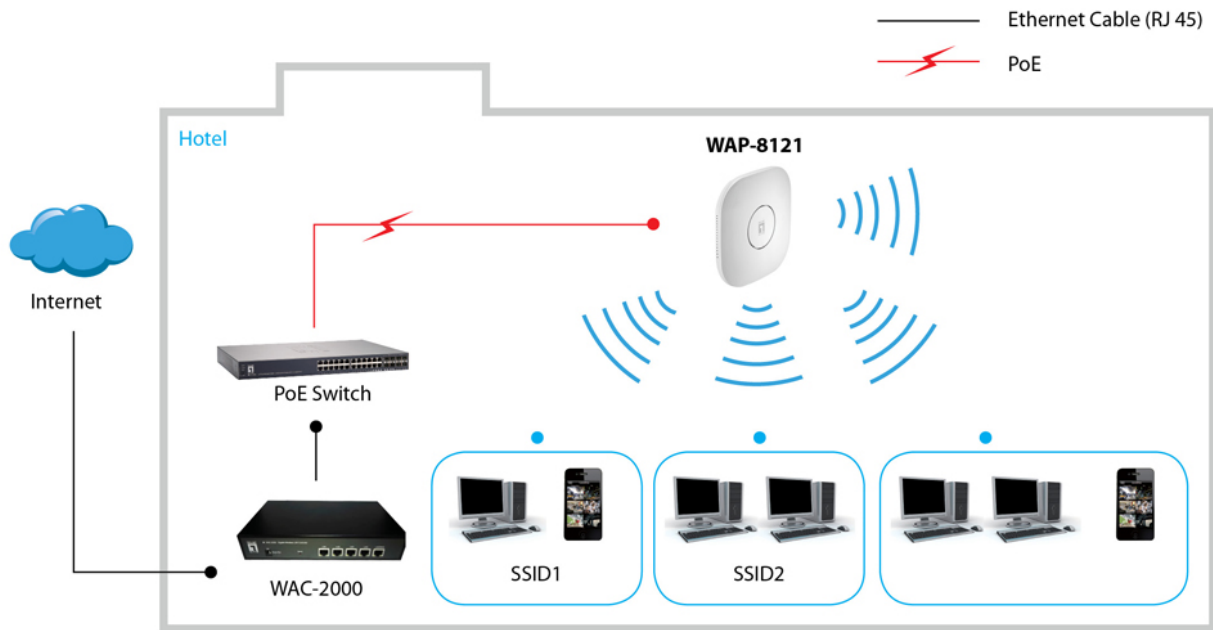
## Approval and Compliance

**EMI/EMS:**

CE ,FCC



## Diagram



## Order Information

WAP-8121

## Package Contents

WAP-8121  
RJ45 Network Cable  
Quick Installation Guide

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