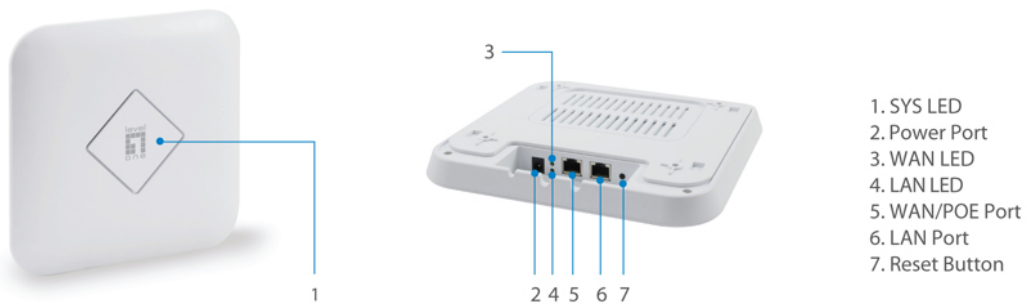




WAP-8122 Version: 1

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

LevelOne's WAP-8122 is a managed, dual-band 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 WAP-8122 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.



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



WAC-2003

Gigabit Wireless LAN Controller, Quad WAN

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 / 1.5A

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:

2 * 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 : 866Mbps

802.11n: 300 Mbps

802.11g: 54 Mbps

802.11b: 11 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

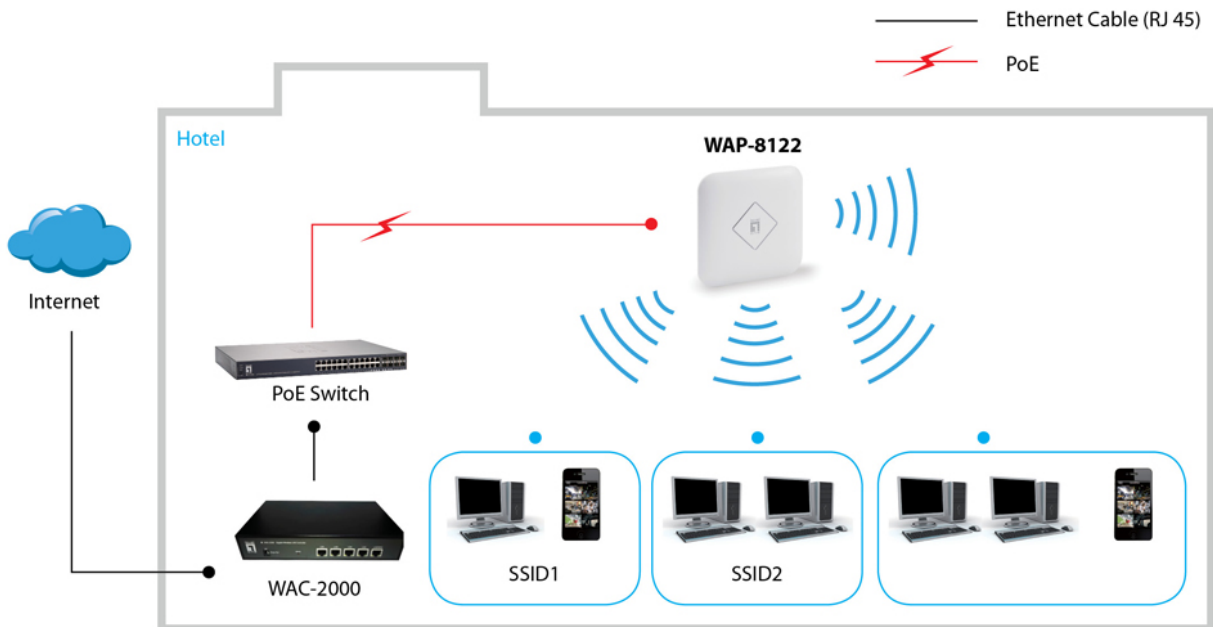
Dimensions (W x D x H mm):
198mm*198mm*28mm

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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