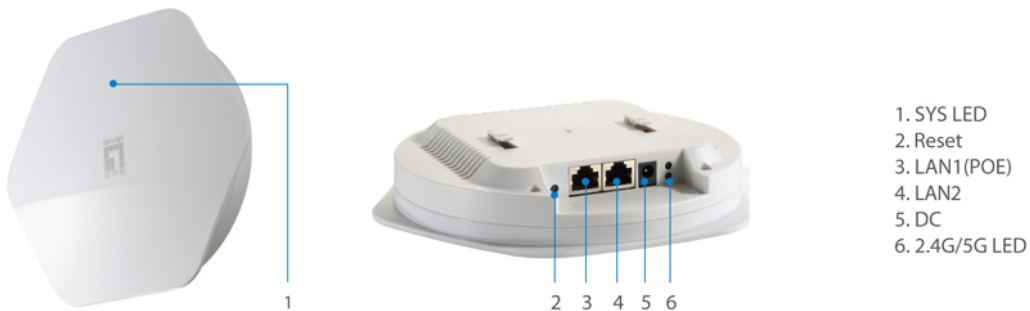




WAP-8111 Version: 1

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

The LevelOne WAP-8111 is a sophisticated, fast dual-band managed wireless access point, offering up to 450 Mbps on the 5 GHz band and up to 300 Mbps on the 2.4 GHz band. It provides a combined throughput of 750 Mbps using 802.11ac standards. The advanced wireless access point also supports all legacy wireless devices on 802.11a/b/g/n. WAP-8111 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 PoE compliant to simplify deployment and installation
- Provides up to 4 SSIDs to separate network traffic and enhance security
- Enlarge wireless network coverage through WDS technology
- Auto Channel Selection for low interference band
- Wireless security with WPA/WPA2-PSK and 64/128-bit WEP encryption



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 802.3af Power over Ethernet

Connectors and Cabling:

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

Button/Knob:

Reset button

Indicator:

2.4G WLAN?5G WLAN?SYS

Power Input:

Power over Ethernet (IEEE802.3af) 48 VDC
Power supply DC12V / 1A

Wireless

Operating Mode:

AP, WDS (point-to-point/multi-point), WDS Hybrid, Universal Repeater

Encryption:

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

Receive Sensitivity(dBm):

802.11n (20MHZ): Range (-72 ~ -87) dBm
802.11n (40MHZ): Range (-68 ~ -87) dBm
802.11g: Range (-72 ~ -91) dBm Error Rate = 10% at room temperature.
802.11b: Range (-89 ~ -91) dBm Error Rate = 8% at room temperature.

Channel:

Ch.1 ~ 11 USA
Ch.1 ~ 13 EU
Ch.36~165 Country

EIRP(dBm):

(Controllable for different country regulations)
802.11n: up to 17dBm \pm 1dBm
802.11g: up to 20dBm \pm 1dBm
802.11b: up to 20dBm \pm 1dBm

Antenna:

3x 3dBi inside Omni Antenna

Frequency Band (GHz):

2.4 ~ 2.4835 GHz
5.15 ~ 5.35 GHz
5.46 ~ 5.72 GHz
5.725~ 5.825 GHz

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

Features

General:

Multi-SSID: 4 SSIDs (fit model)

Single-SSID (fat model)

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:63(fit and fat model)

Recommend:30(fit and fat model)

Environment

Temperature (°C):

Operating: 0°C ~ 40°C

Storage: -10°C ~ 70°C

Humidity (Non-condensing):

Storage: 0 ~ 95%

Operating: 10 ~ 90%

Deployment:

Ceiling Mount

Physical Specifications

Dimensions (W x D x H mm):

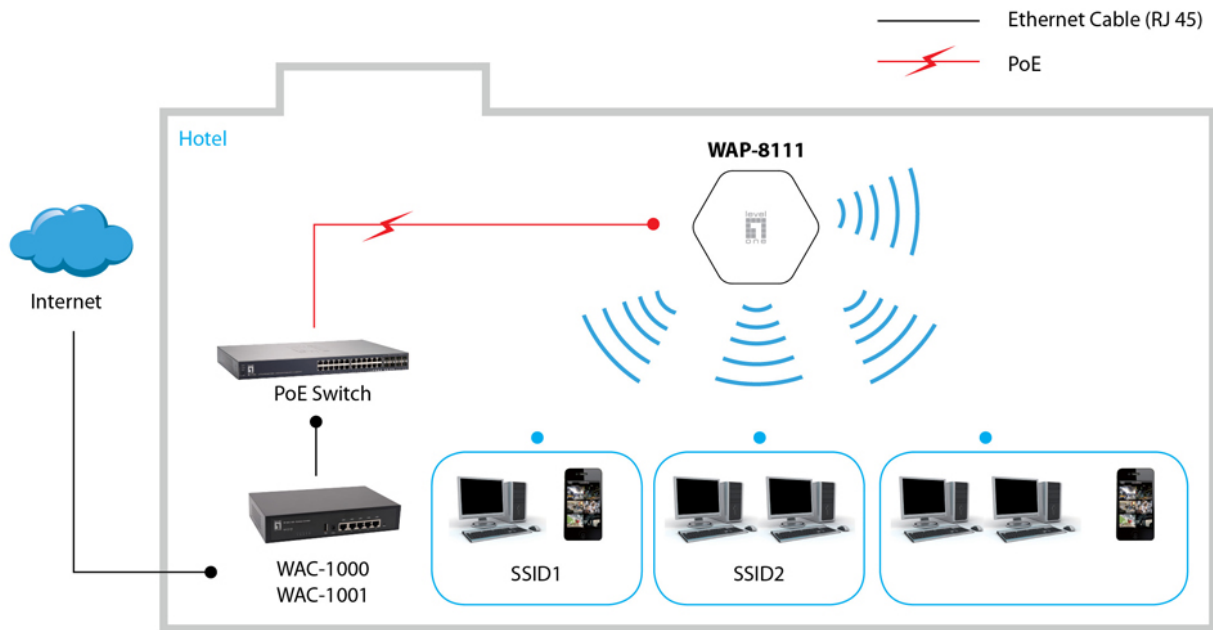
200mm*175mm*41mm

Weight (g):

250



Diagram



Order Information

WAP-8111

Package Contents

WAP-8111
RJ45 Network Cable
Resource CD (User Manual, QIG)

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