



WAP-6112 [redacted] [redacted]: 1

## Managed Ceiling Mount Gigabit Wireless Access Point, 300Mbps 802.11b/g/n, 802.3af PoE

The WAP-6112/WAP-6112H access point is a streamlined, high-power PoE device with embedded antennas for seamless WiFi performance. The AP can be configured in either Fat mode or used in Fit mode to allow central management via LevelOne WLAN wireless controllers. The captive portal provides one convenient method of authentication for WEP, WPA-PSK, WPA-TKIP, and WPA2 AES secure authentication. WAP-6112/WAP6112H supports up to four SSIDs, allowing the user to assign different configuration settings to each one. Low profile design and front port access eliminates unsightly cabling and disruptive furniture placement, while a Gigabit Ethernet port enables bandwidth-intensive applications or multimedia transferring.



- 1. WLAN LED
- 2. Reset
- 3. LAN1 (POE)
- 4. LAN2
- 5. DC
- 6. LED

### Key Features

- [redacted] 300Mbps [redacted]
- IEEE 802.11b/g/n [redacted] [redacted]
- [redacted] IEEE 802.1X [redacted] WEP, WPA [redacted] WPA2 [redacted]
- [redacted] 4 SSID [redacted]
- Multi-operation modes to suite different wireless applications
- [redacted] IEEE 802.3af PoE [redacted]
- Works in either Fat or Fit mode
- Fit mode for WLAN controller management



### 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 802.11b, IEEE 802.11g, IEEE 802.11n Wireless Networking
- IEEE 802.3 af Power over Ethernet

**Connectors and Cabling:**

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

**Button:**

Reset button

**Indicator:**

WLAN

**Power:**

Power over Ethernet (IEEE802.3af) 48 VDC

Power supply DC12V / 1A

## Wireless

**Operating Mode:**

AP, WDS (point-to-point/multi-point), 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

**EIRP(dBm):**

802.11n: up to 14dBm  $\pm$  1dBm

802.11g: up to 16dBm  $\pm$  1dBm

802.11b: up to 19dBm  $\pm$  1dBm

**Antenna:**

2x 3dBi inside Omni Antenna

**Frequency Band (GHz):**

2.4 ~ 2.4835 GHz

**Modulation:**

Multi-SSID: 4 SSIDs (fit model)

Single-SSID (fat model)

**Data Transfer Rate:**

802.11n: 300 ~ 78 Mbps

802.11g: 54 ~ 6 Mbps

802.11b: 11 ~ 1 Mbps

## Features

**PoE:**

IEEE 802.3af

**Security:**

SSID Broadcast On/Off

**Management:**

Web-Based GUI Configuration

Syslog (fit model)

QoS:  
802.11e WMM Supported

Ease of Use:  
Web-based GUI with Quick Installation Wizard  
Web-based (HTTP) firmware upgrade

## Performance

Number of Clients:  
30

## Environment

Temperature (°C):  
Operating: 0°C ~ 40°C,  
Storage: -10°C ~ 70°C

Humidity (Non-condensing):  
Storage: 0 ~ 95%  
Operating: 10 ~ 90%

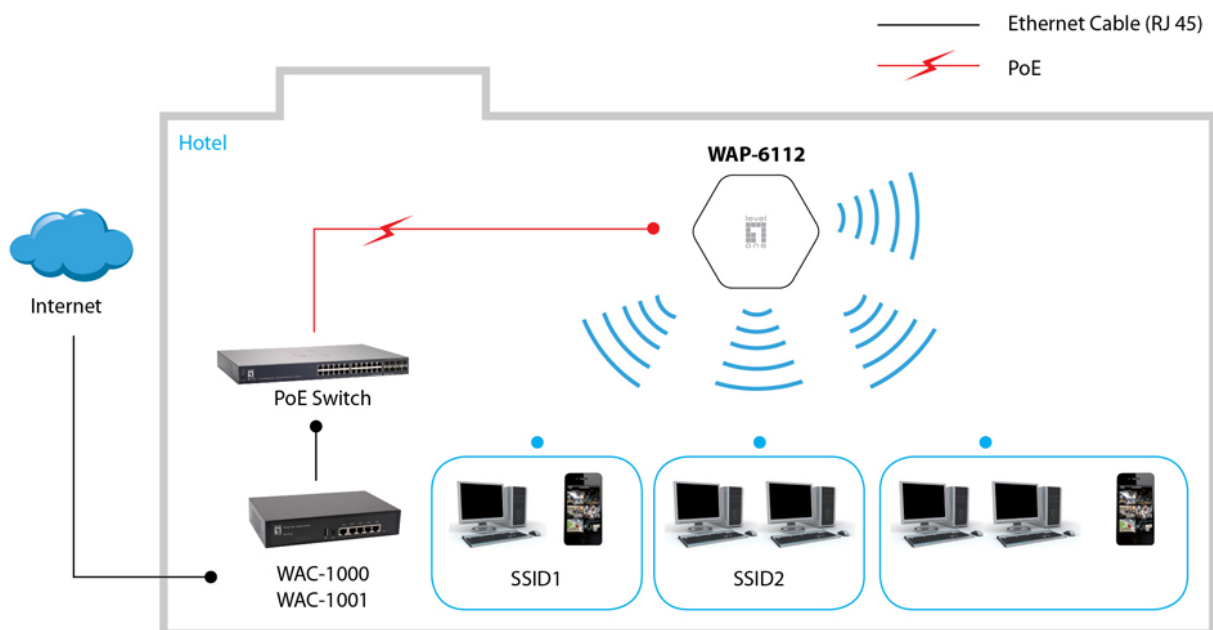
## Physical Specifications

Dimensions (W x D x H mm):  
195mmx175mmx41mm

Weight (g):  
210

## Others

Deployment:  
Ceiling Mount





## Order Information

WAP-6112

WAP-6112H: High Power

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## Package Contents

WAP-6112

Resource CD (User Manual, QIG)

RJ45 Network Cable

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