



WAP-6115 Version: 1



N300 PoE Wireless Access Point, Controller Managed

The LevelOne WAP-6115 provides an easy, flexible solution for high-performance managed wireless networking. Allowing multiple LevelOne wireless access points to be connected to a central controller, the network can easily be monitored and optimised to ensure there are no weak points, and that individual workloads are spread evenly across all devices. New access points can be introduced with ease, and PoE allows both power and data to run over a standard cat.5 cable, negating the need for an external power source. Security is also simple and effective, with any unauthorized APs identified and shut down by the central controller. The captive portal provides one convenient method of authentication for WEP, WPA-PSK, WPA-TKIP, WPA2 AES, while support for up to four SSIDs allows for different configuration settings, ensuring network safety in different service zones. An external antenna offers greater wireless coverage and data rates.



- | | |
|-------------|--------------|
| 1. DC | 4. WLAN LED |
| 2. Reset | 5. POWER LED |
| 3. LAN port | 6. LAN LED |

Key Features

- Share your wireless network up to 300Mbps
- Compatible with IEEE 802.11b/g/n wireless standards
- Supports WEP, WPA and WPA2 encryption with IEEE 802.1X for high level security
- Provides up to 4 SSIDs to separate network traffic and enhance security
- Multi-operation modes to suit different wireless applications
- IEEE 802.3af PoE compliant to simplify deployment and installation
- Works in either Fat or Fit mode
- Fit mode for WLAN controller management

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

Connectors and Cabling:

1x 10/100Mbps Base-TX PoE Port
4x 10/100Mbps Base-TX Port

Button/Knob:

Reset button

Indicator:

Power, WLAN, Link/Act

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

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:

2x 5dBi outside Antenna

Frequency Band (GHz):

2.4 ~ 2.4835 GHz

Data Transfer Rate:

802.11n: 300 ~ 78 Mbps
802.11g: 54 ~ 6 Mbps
802.11b: 11 ~ 1 Mbps

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:

63

Environment

Temperature (°C):

Operating: 0°C ~ 40°C

Storage: -10°C ~ 70°C

Humidity (Non-condensing):

Storage: 0 ~ 95%

Operating: 10 ~ 90%

Deployment:

Desktop, wall-mounted

Physical Specifications

Dimensions (W x D x H mm):

200mm×124mm×28.4mm

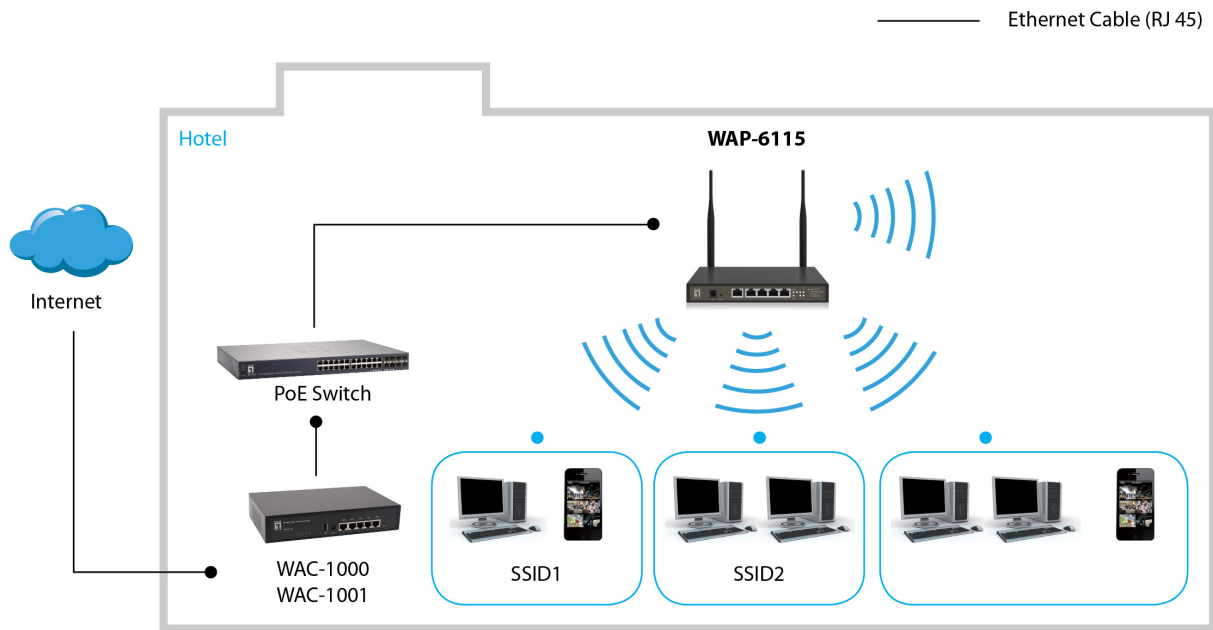
Diameter:

25mm

Weight (g):

547

Diagram



Order Information

WAP-6115

Package Contents

WAP-6115
Power Adapter
Antenna (x2)
Resource CD (User Manual, QIG)

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