



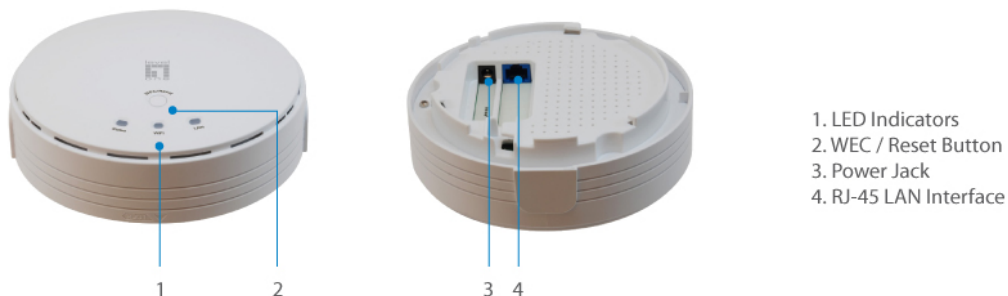
WAP-6103 Version: 1

Managed Ceiling Mount Wireless Access Point, 300Mbps 802.11b/g/n, 802.3af PoE, Built-in Antenna

The tough, high performance WAP-6103 is designed for fast wireless connectivity in enterprise or industrial environments of all dimensions. Embedded with IEEE 802.11n/b/g 2.4GHz MIMO radio in an dust-proof ceiling housing, the enterprise access point provides up to 300 Mbps internet speed.

WAP-6103 enables fast, secure and easy wireless communication, with a WEC button for switching the device between Master and Slave Mode. In Slave Access Point (AP) mode, the device will extend a connection without requiring login to the configured Web, The Wireless Access Point also supports tunnelbased AP Management, and boasts business grade security such as 802.1X and Wi-Fi Protected Access (WPA and WPA2). It also supports WDS for connecting multiple WAP-6103 devices, forming a wider network area.

WAP-6103 features multiple ESSIDs with VLAN tags; one WAP-6103 can emulate up to eight Virtual APs, so offers great performance in situations commonly found in large enterprise, such as separating traffic from different departments using unique ESSIDs. Wireless clients are shielded from each other by Layer 2 isolation, preventing possible attacks from malicious users. When implemented with a Wireless Layer 2 firewall, WAP-6103 inspects all inter-virtual AP traffic as well as wireless-to-wired traffic and decides whether to block or allow passage according to specified security criteria. The device is also PoE compatible, according to standard IEEE 802.3af, and supports IEEE 802.11b/g/n wireless standards.



Key Features

- Free bundled with professional software managing multiple AP devices
- Share your wireless network up to 300Mbps
- Compatible with IEEE 802.11b/g/n 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
- WEC(Wireless Easy Connection) button for automatic WDS connection



- Enlarge wireless network coverage through WDS technology
- Auto Channel Selection for low interference band
- Supports WEP, WPA and WPA2 encryption with IEEE 802.1X for high level security

Specifications

System Specifications

Standards & Protocols:

IEEE 802.3 10-BASE-T, Ethernet
IEEE 802.3u 100-BASE-TX, Fast Ethernet
IEEE 802.1Q Tag-based VLAN
IEEE 802.11e Wi-Fi Multimedia (WMM)
IEEE 802.1X Port-based Network Access Control (PNAC)
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 802.3af Power over Ethernet

Connectors and Cabling:

1x 10/100Mbps Base-TX PoE Port

Button:

WEC button, Reset button

Indicator:

Status, WLAN, PoE

Power:

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

Wireless

Operating Mode:

AP, Client, WDS (point-to-point/multi-point, max. 4 peer APs), 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
802.1x RADIUS support

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 ± 1dBm
802.11g: up to 20dBm ± 1dBm
802.11b: up to 20dBm ± 1dBm

Antenna:

2x 3dBi internal Omni 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:

Auto Channel Selection

Multi-SSID: 8 SSIDs

Security:

802.1x RADIUS support

Wireless Easy Connection (WEC) Push Button

SSID Broadcast On/Off

Management:

Web-Based GUI Configuration

Syslog monitoring

SNMP V1/V2c/V3 supported

QoS:

802.11e WMM Supported

Ease of Use:

Web-based GUI with Quick Installation Wizard

Web-based (HTTP) firmware upgrade

Performance

Number of Clients:

Max. 128, 16 per SSID

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):

Diameter: 150 x 150 x 57.5 mm

Weight (g):

300 g

Others

Approval and Compliance:

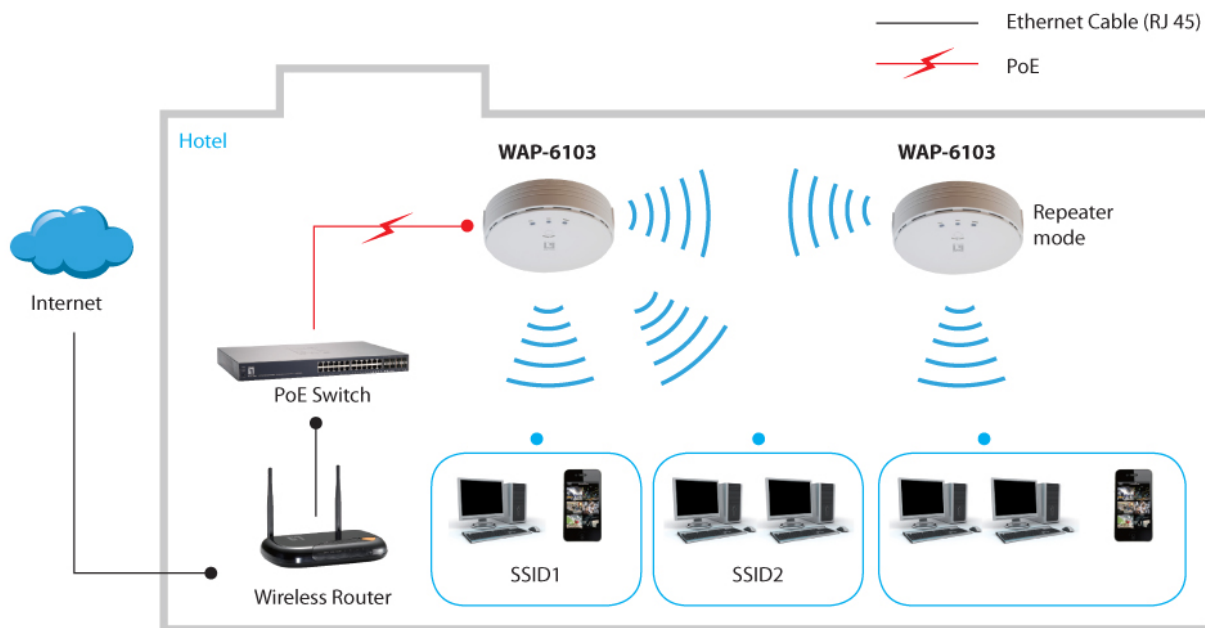
CE, FCC

Deployment:

Ceiling-mounted



Diagram



Order Information

WAP-6103

Package Contents

WAP-6103
Power Adapter
RJ45 Network Cable
Quick Installation Guide
Resource CD (User Manual, QIG)

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