![LevelOne logo]

WAP-6221 Version: 2

N300 PoE Wireless Access Point, In-Wall Mount, Controller Managed

This 802.11n single-band wireless access point can run on PoE, and is a fully managed device (when controlled by the LevelOne WAC-2000/WAC-2003). The managed AP is capable of 300 Mbps throughput on the 2.4GHz frequency, and operates on its own or as part of a larger, managed network of access points. PoE means the device does not require an external power supply, making it a versatile and easily deployed option for all sizes of network.

Key Features

- Wall-mounted design fits standard 86x86mm socket
- IEEE 802.3af PoE compliant to simplify deployment and installation
- Provides up to 4 SSIDs to separate network traffic and enhance security
- 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

Related Product

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

Port:
1*10/100Mbps WAN port
1*10/100Mbps LAN port
1 * USB 2.0 Charge Port

Button/Knob:
1 *WIFI SSID Broadcast ON/OFF , Reset to Defaults

Indicator:
Power
System status

Power Input:
Power over Ethernet (IEEE802.3af) 48 VDC

Power Consumption:
<10W

Wireless

Operating Mode:
Gateway Mode , Repeater Mode , WISP Mode , AP Mode

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 (40MHZ): Range (-70) dBm
802.11n (20MHZ): Range (-88) dBm
802.11g: Range (-88) dBm 802.11b: Range (-94) dBm

Channel:
Ch.1 ~ 11 USA
Ch.1 ~ 13 EU

EIRP(dBm):
802.11n: up to 16dBm ± 2dBm
802.11g: up to 17dBm ± 2dBm
802.11b: up to 20dBm ± 2dBm

Antenna:
2dBi inside Omni Antenna*2

Frequency Band:
2.4 ~ 2.4835 GHz

Modulation:
OFDM = BPSK,QPSK, 16-QAM, 64-QAM; DSSS = DBPSK, DQPSK, CCK

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

Features

General:
Multi-SSID: 4 SSIDs

PoE:
IEEE 802.3af

Security:
SSID Broadcast On/Off
Tag VLAN

Management:
WEB interface

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: 30

Environment

Temperature (°C):
Operating: -20°C~50°C
Storage: -40°C~70°C

Humidity (Non-condensing):
Storage:5%~95%
Operating: 10 ~ 90%

Installation:
In-Wall Mount

Physical Specifications

Dimensions (W x D x H mm):
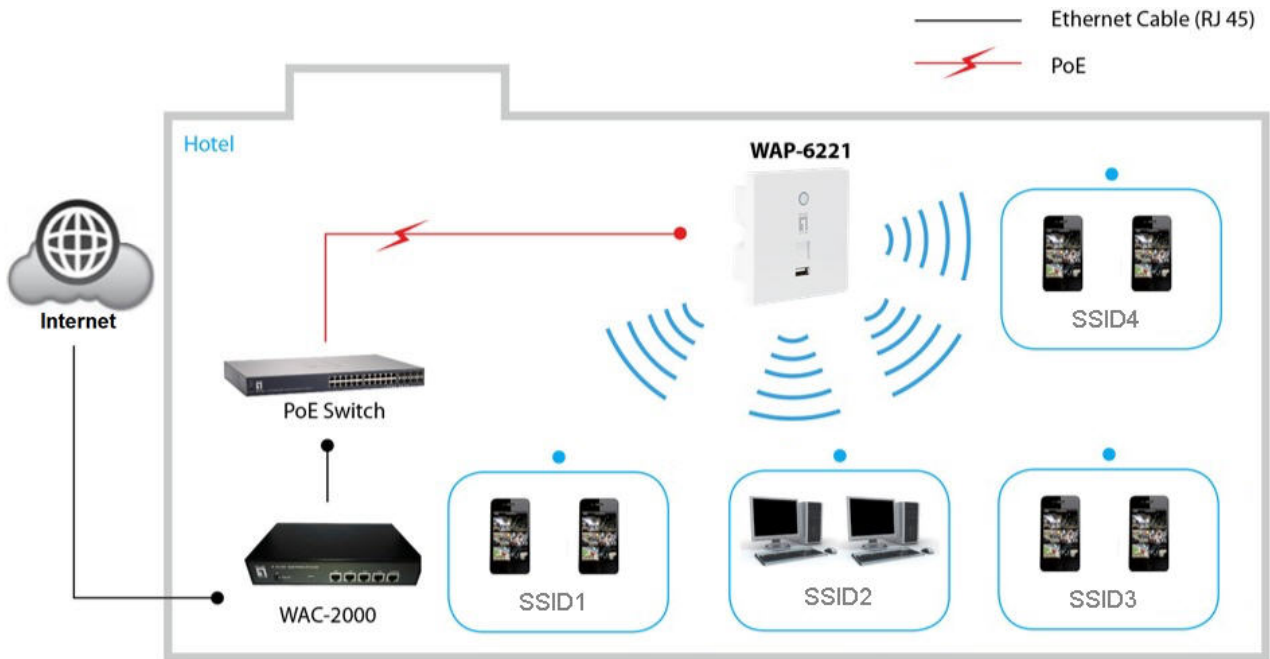86*86*35

Diameter:
118

Weight (g):
110

Approval and Compliance

EMI/EMS:
CE

Diagram

Order Information

WAP-6221

Package Contents

WAP-6221
Screw Kit
Quick Installation Guide