300Mbps *N_Max* Wireless Ceiling PoE Access Point
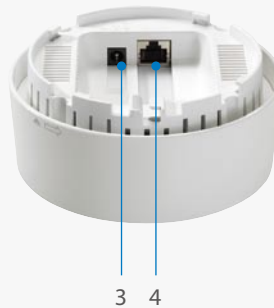
WAP-6102

H/W Version: 1

The LevelOne WAP-6102 is a powerful, multi-function, 802.11n Access Point. It provides three operation modes: AP, WDS and Universal Repeater. Its smoke detector appearance minimizes its visibility. So this model is ideal for Hotels or public areas.

Performance and Scalability

The WAP-6102 is a Wireless Network device that delivers up to 6x faster speeds and 7x extended coverage than 802.11g devices. This product's RF performance is finely tuned so it will bring the best wireless signal to each client. It supports home networks with superior throughput, performance and unparalleled wireless range.

Comprehensive Security

To protect data during wireless transmissions, the WAP-6102 encrypts all wireless transmissions through WEP data encryption and also supports WPA/WPA2. Its MAC address filter allows users to select which stations can access the network. The WAP-6102 is the best product to ensure network quality for wireless hotspots.

1   2   3 4

1. LED Indicators
2. Reset Button
3. Power Jack
4. RJ-45 LAN Interface

Key Features

- 2 built-in antennas (4dBi) with 2T/2R MIMO technology for wireless data rates of up to 300Mbps
- Complies with IEEE 802.11n and backwards compliant with 11b/g standards on the 2.4 GHz frequency
- Supports AP, WDS and Repeater Modes
- WEP, WPA, WPA2 and IEEE 802.1x for high level security
- Supports Quality of Service (WMM) to enhance user performance and density
- Multi-SSID with 802.1Q VLAN Tagging in AP mode (up to 4 SSIDs)

Works Well With

FSW-0822
4 FE + 4 FE PoE Switch

WBR-6011
300Mbps *N_Max* Wireless Router

Technical Specification

Physical Interface:
- LAN: One 10/100Mbps RJ-45 Port
- Reset Button
- Power Jack

LEDs Status
- Power/ Status
- LAN (10/100Mbps)
- WLAN (Wireless Connection)

Power Requirements
- Power Supply: 90 to 240 VDC ± 10%, 50/60 Hz
- Active Ethernet (Power over Ethernet, IEEE802.3af) 48 VDC/
  0.375A
- Device: 12V/1A

RF Specification
- Frequency Band: 2.400~2.484 GHz
- Media Access Protocol: Carrier sense multiple access with
  collision avoidance (CSMA/CA)
- Operating Channels: 11 for North America, 13 for Europe
- Receive Sensitivity (Typical):
  IEEE802.11n: MCS8 @ -90dBm
                 MCS15 @ -70dBm
  IEEE802.11g : 6Mbps@ -92dBm
                 54Mbps@ -72dBm
  IEEE802.11b : 1Mbps@ -93dBm
                 11Mbps@ -89dBm
- Available transmit power: 16dBm (Max.)
- Antenna: Directional internal antenna*2
  TNC type; Peak Gain = 4dBi

Software Features
- Topology: Infrastructure
- Operation Mode: Access Point / WDS / Universal Repeater
- LAN:
  DHCP Server
  DHCP Client
  Wireless Mode – 11b / 11g / 11n / Disable
- Security:
  WEP Encryption-64/128 bit
  WPA Personal (WPA-PSK using TKIP or AES)
  WPA Enterprise (WPA-EAP using TKIP)
  WPA2
  802.1x Authenticator
  Hide SSID in beacons
  Multiple SSID with 802.1q VLAN tagging (up to 4 SSIDs) in AP
  mode
  MAC Filter(AP mode)
  WLAN L2 isolation(AP mode)
  Wireless STA (Client) connected list (Idle/Connection Time, Pkt
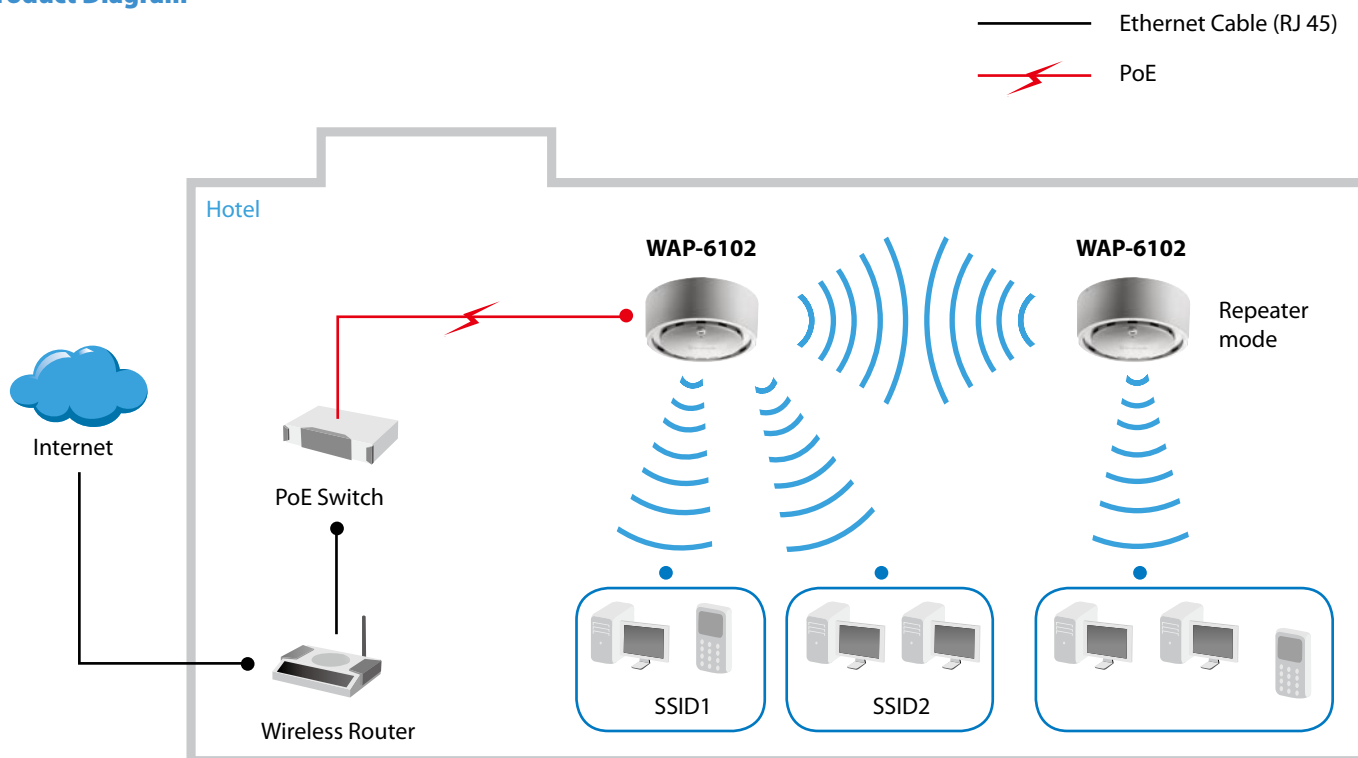 statistics)
- QoS: WMM
- Concurrent Users: Maximun 32 users

Management
- Configuration: Web-based configuration HTTP / Telnet
- Firmware Upgrade:
  Upgrade firmware via web-browser
  Keep latest setting when f/w update
- Administrator Setting: Administrator password change
- Reset Setting:
  Reboot (press 1 second)
  Reset to Factory Default : (press 10 second)
- System monitoring: Status, Statistics and Event Log
- SNMP: v1, v2c
- MIB: MIB I, MIB II (RFC1213) and Private MIB
- Traffic Measurement : Per interface
- Bandwidth Measurement: IP range and bandwidth
  management
- Backup & Restore: Settings through Web

Environment & Physical
- Temperature Range
  Operating: 0°C to 45°C (32°F to 113°F)
  Storage: -20°C to 70°C (-4°F to 158°F)
- Humidity (non-condensing): 5%~95% typical
- Dimensions (D*H): 120mm* 50mm
- Weight: 280g

Product Diagram

Ethernet Cable (RJ 45)

PoE

Hotel

WAP-6102

WAP-6102

Repeater mode

Internet

PoE Switch

SSID1

SSID2

Wireless Router

Order Information   **WAP-6102:** 300Mbps *N_Max* Wireless Ceiling PoE Access Point

Package Content   Wireless Access Point Unit (WAP-6102)

Power Adapter

Cat5 UTP Cable

QIG

CD Manual

Mounting Bracket

Two Screws