![level one logo]

300Mbps Wireless Dual-PoE Managed Access Point

EAP-200

H/W Version: 1

Product Overview

The LevelOne EAP-200 Enterprise Access Point is designed for wireless connectivity in enterprise or industrial environments. It provides a IP50 dust-proof metal housing, embedded with 2T/2R MIMO technology on 2.4GHz frequency for wireless data rates of up to 300Mbps.
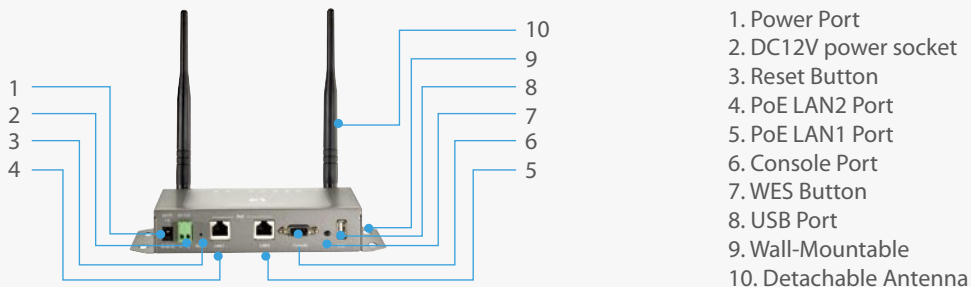
Supports data rates up to 300Mbps

EAP-200 complies with 802.11b/g/n standards for wireless speed up to 300Mbps and is an ideal solution for video surveillance and multimedia streaming applications. It features QoS and WMM to ensure the quality of voice and video applications for multiple transmissions simultaneously.

Tunnel-based AP Management

EAP-200 enables a fast and secured communication. It supports Tunnel-based AP Management, business grade security with WEP, WPA, WPA2, IEEE 802.1x, and Wi-Fi Protected Access. By pushing the WES (Press-and-Connect) button the EAP-200 can easily establish a WDS connection of multiple EAP-200s to increase the wireless network coverage. It features multiple ESSIDs with VLAN tags to separate network traffics; one EAP-200 can emulate up to 8 Virtual APs. The Tunneled AP Management works well with LevelOne Secure WLAN Controllers WHG-xxx.

EAP-200 provides a higher throughput, security and durability and makes it a perfect choice for your wireless connectivity.

1. Power Port
2. DC12V power socket
3. Reset Button
4. PoE LAN2 Port
5. PoE LAN1 Port
6. Console Port
7. WES Button
8. USB Port
9. Wall-Mountable
10. Detachable Antenna

Key Features

- 2 antennas with 2T/2R MIMO Technology for wireless data rates of up to 300Mbps
- Compatible with IEEE 802.3af PoE standard
- Dual-PoE design eliminates the need for power sockets
- Enables Multiple Virtual APs and Client Isolation
- Easy configuration and management via web browser and SNMP
- Supports AP and Repeater modes, Class of Service and QoS
- Supports AP Management with LevelOne Secure WLAN Controllers WHG-xxx
- Supports Data Encryption and User Authentication with WEP, WPA, WPA2, IEEE 802.1x
- Supports WES push button for auto WDS connection
- Antenna type: 5dBi at 2.4GHz
- Wall mountable IP50 dust-proof Metal Housing

Works well with

WHG-401
Secure WLAN Controller

WHG-505
Secure WLAN Controller

Technical Specification

Wireless Radio
- Standard
  IEEE 802.11b/g 2.4GHz
  IEEE 802.11n 2.4GHz
  IEEE 802.3af Power over Ethernet
- Frequency band: 2.4GHz
- Wireless architecture:
  (1) AP mode
  (2) Repeater mode (WDS / Universal Repeater)
- Modulation:
  (1) OFDM (64-QAM, 16-QAM, QPSK, BPSK)
  (2) DSSS (CCK, DBPSK, DQPSK)
- Channels:
  (1) USA (Channel 1~11)
  (2) Japan (Channel 1~14)
  (3) Europe (Channel 1~13)
- Data rate with auto fallback:
  (1) 802.11b: 1 ~ 11Mbps
  (2) 802.11g: 6 ~ 54Mbps
  (3) 802.11n: 6.5 ~ 300Mbps
- Transmit Power:
  (1) 802.11b: up to 18 dBm
  (2) 802.11g: up to 16 dBm
  (3) 802.11n: up to 16 dBm
- Receiver Sensitivity:
  (1) 802.11b: 11Mbps@-84 dBm
  (2) 802.11g: 54Mbps@-69 dBm
  (3) 802.11n: 300Mbps@-65 dBm

Antenna
  2x 5dBi
  Detachable with SMA connectors

QoS-WMM
- DiffServ/TOS
- IEEE 802.1p/COS
- IEEE 802.1Q Tag VLAN priority control
- IEEE 802.11e WMM

Handover & Roaming
- IEEE 802.11f IAPP
- IEEE 802.11i pre-auth (PMKSA cache)

System Management
- Web-based administration
- SNMP v1/v2c
- Provides Event Log
- SYSLOG information support
- Configuration backup and restore
- Restore to factory default setting via Web or Console
- Firmware upgrade
- Capable of performing RADIUS Accounting and Accounting
  Update
- WES (Press-and-Connect) button for WDS Easy Setup
- Supports Tunneled AP Management with LevelOne Secure
  WLAN Controllers

Security
- WEP (64/128/152 bits)
- EAP-TLS + Dynamic WEP
- EAP-TTLS + Dynamic WEP
- PEAP/MS-PEAP + Dynamic WEP
- WPA (PSK + TKIP)
- WPA (802.1X certification + TKIP)
- 802.11i WPA2 (PSK + CCMP/AES)
- 802.11i WPA2 (802.1X certification + CCMP/AES)
- Setting for TKIP/CCMP/AES key's refreshing period
- Hidden ESSID support
- Layer 2 wireless isolation
- Wireless Layer 2 Firewall
- MAC Address filtering (MAC ACL)
- MAC authentication with RADIUS servers
- Maximum number of registered RADIUS servers: 2

Built-in Servers & Client Interfaces to Other Services
- DHCP client
- DNS client
- SYSLOG client
- RADIUS client
- SNMP v1/v2c client

Wireless Signal Management
- Number of ESSIDs (Virtual APs): 8
- Number of associated clients per system: 128
- Setting for maximum number of associated clients

Hardware Specifications
- IP50 Dust-proof metal case
- LAN Port: 2 × 10/100 Base-T Ethernet with PoE
- Console Port: 1 x DB9
- USB Port: 1
- Screw Terminal Block: 1
- LED Indicators: 1 × Power, 2 × LAN, 1 × WLAN, 1 × WDS, 1 ×
  WES, 1 × USB

Physical and Power
- Power adapter (included)
  1. AC Input: 100~240 VAC, 50~60Hz
  2. DC Output: 12V, 1.5A
- Alternative Power:
  1. 802.3af PoE (PSE not included)
  2. 12~48V DC power input
- Form factor: Wall Mountable
- Dimensions (W x D x H): 8.0" x 5.3" x 1.4"
  (204 mm x 134 mm x 35 mm)
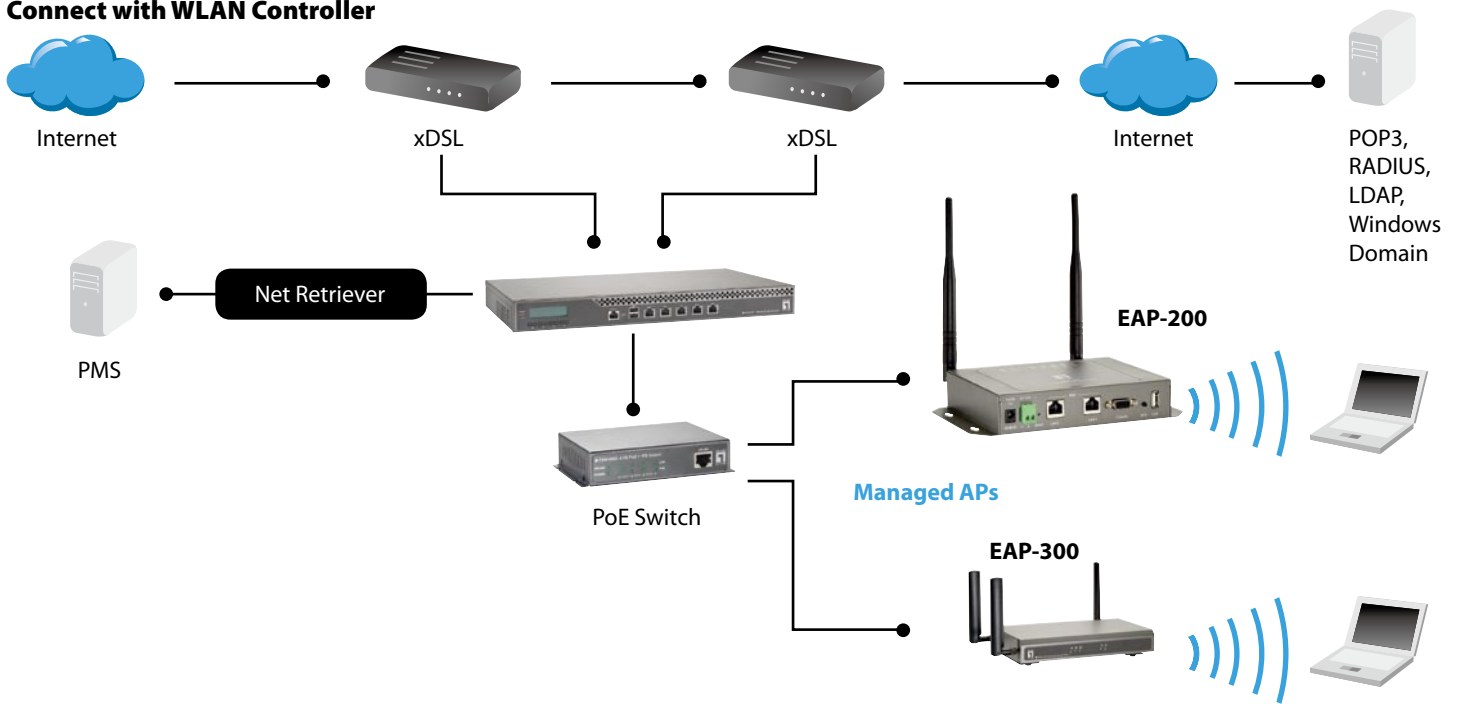- Weight: 1.3 lbs (0.61 kg)

Environment
- Operation Temperature: -30°C ~ 70°C
- Storage Temperature: -40°C ~ 85°C
- Operation Humidity: 10% ~ 80% (Non-condensing)
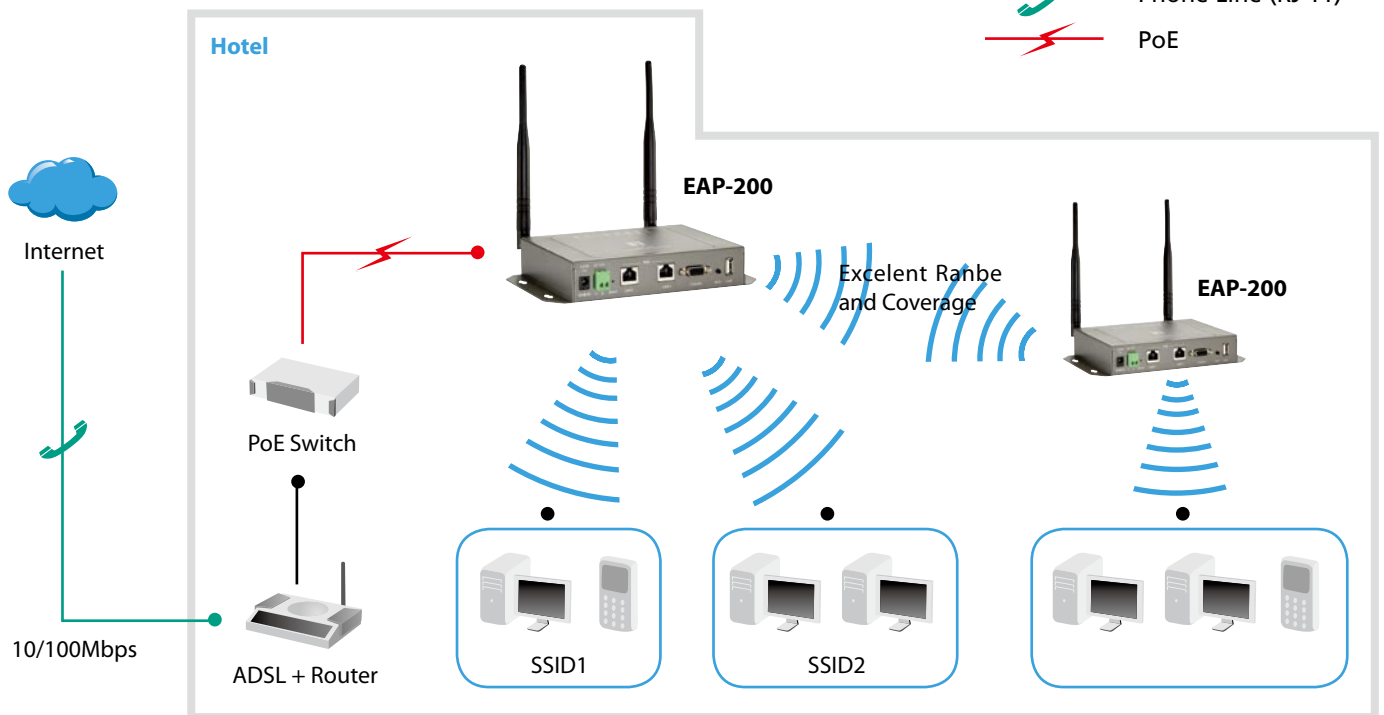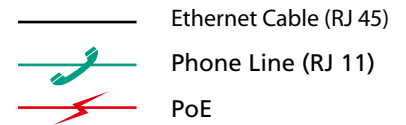- Storage Humidity: 5% ~ 90% (Non-condensing)

Certifications
- FCC, CE
- RoHS compliant

Product Diagram

Connect with WLAN Controller

Internet

xDSL

xDSL

Internet

POP3,
RADIUS,
LDAP,
Windows
Domain

PMS

Net Retriever

EAP-200

Managed APs

PoE Switch

EAP-300

Connect in Repeater mode

—————— Ethernet Cable (RJ 45)

—————— Phone Line (RJ 11)

⚡ PoE

Hotel

Internet

EAP-200

Excelent Ranbe
and Coverage

EAP-200

PoE Switch

10/100Mbps

ADSL + Router

SSID1

SSID2

Order Information   **EAP-200:** 300Mbps Wireless Dual-PoE Managed Access Point

Package Content   EAP-200 , CD Manual/QIG, Quick Installation Guide (QIG), Console Cable
Ethernet Cable, Power Adapter, Antenna x 2, Screw pack, Ground Cable