



300Mbps Wireless PoE Managed Access Point

H/W Version: 1.1

Overview

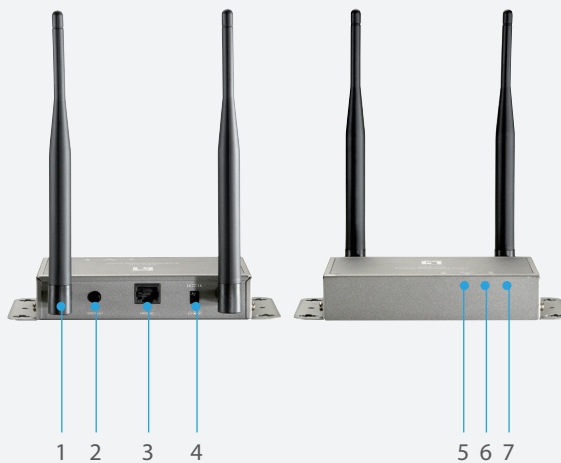
Embedded with IEEE 802.11n/b/g 2.4GHz MIMO radio in IP50 dust-proof metal housing, the high speed (up to 300Mbps) and durable EAP-110 Enterprise Access Point is designed for wireless connectivity in enterprise or industrial environments of all dimensions.

EAP-110 makes the wireless communication fast, secure and easy. It supports Tunnelled AP Management, business grade security such as 802.1X, and Wi-Fi Protected Access (WPA and WPA2). It also supports WDS links to bridge wireless links of multiple



EAP-110

EAP-110 devices for forming wider wireless network coverage. EAP-110 features multiple ESSIDs with VLAN tags; one EAP-110 can emulate up to eight Virtual APs, great for enterprise applications, such as separating the traffics of different departments using different ESSIDs. Wireless clients are shielded from each other by Layer 2 isolation, preventing possible attacks from malicious users. Furthermore, implemented with Wireless Layer 2 firewall, EAP-110 inspects all inter-Virtual AP traffics as well as wireless to wired traffics and decides whether to block or allow passage according to specified security criteria.



1. SMA Antenna Connector
2. WES / Reset button
3. LAN (PoE)
4. Power Jack (5VDC, 1A)
5. Power
6. WLAN / WES
7. LAN

Key Features

- 2 antennas with 2T/2R MIMO Technology for wireless data rates of up to 300Mbps
- Compatible with IEEE 802.3af PoE standard
- Multiple SSID enables virtual APs and Client isolation
- Supports QoS and Class of Service
- Business grade WLAN security and client authentication
- Antenna type: 5dBi at 2.4GHz
- Tunnelled AP management
- WES push button for auto WDS connection
- IP50 industrial grade housing & wall mountable

Related Products



WHG-311
Secure WLAN Controller Mini



WHG-401
Secure WLAN Controller Pro

Technical Specification

Wireless Radio

- Frequency band: 2.4 GHz
- Wireless architecture:
 - (1) AP mode
 - (2) WDS mode (Bridge / 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 ~ 11 Mbps
 - (2) 802.11g: 6 ~ 54 Mbps
 - (3) 802.11n: 6.5 ~ 300Mbps
- Transmit Power:
 - (1) 802.11b: Up to 17dBm
 - (2) 802.11g: Up to 15dBm
 - (3) 802.11n: Up to 15dBm
- Receiver Sensitivity:
 - (1) 802.11b: 11Mbps@-90dBm
 - (2) 802.11g: 54Mbps@-74dBm
 - (3) 802.11n: 300Mbps@-68dBm

Handover & Roaming

- IEEE 802.11i pre-auth (PMKSA cache)

System Management

- Web-based administration
- SNMP v1/v2c
- Provides Event Log
- Supports System Log reporting to external SYSLOG server
- Utilities for system configuration backup and restore
- One physical button to reset to factory default setting
- Firmware upgrade
- NTP time synchronization
- Support Tunneled AP Management with 4ipnet Secure WLAN Controllers

Security

- Supports IEEE 802.11 mixed mode; open and shared key authentication
- Data encryption with WEP (64/128 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 to block Dynamic ARP Inspection & DHCP Snooping
- MAC Address filtering (MAC ACL)
- MAC authentication with RADIUS server
- Maximum number of registered RADIUS servers: 1
- Supports AES data encryption over WDS link

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
- Network policy based on ESSID
- Beacon interval: Adjustable to best adapt to the deployment environment
- Auto fallback: Data rate for long distance communication in noisy environments

Hardware Specifications

- IP50 Dust-proof metal case
- LAN Port: 1 × 10/100 Base-T Ethernet with PoE
- LED Indicators: 1 × Power, 1 × WLAN, 1 × LAN

Physical and Power

- Power adaptor (included)
 - (1) AC Input: 100~240 VAC, 50~60 Hz
 - (2) DC Output: 5V, 1A
- Alternative Power:
 - (1) 802.3af PoE (PSE not included)
- Form factor: Wall Mountable
- Dimensions (W x D x H): 6.5" x 3.6" x 1.2"
(165 mm x 90 mm x 30 mm)
- Weight: 0.83 lbs (0.4 kg)

Environment

- Operation Temperature: -30 ~ 70 °C (-22~158°F)
- Storage Temperature: -40 ~ 85 °C (-40~185°F)
- Operation Humidity: 10% ~ 80% (Non-condensing)
- Storage Humidity: 5% ~ 90% (Non-condensing)

Certifications

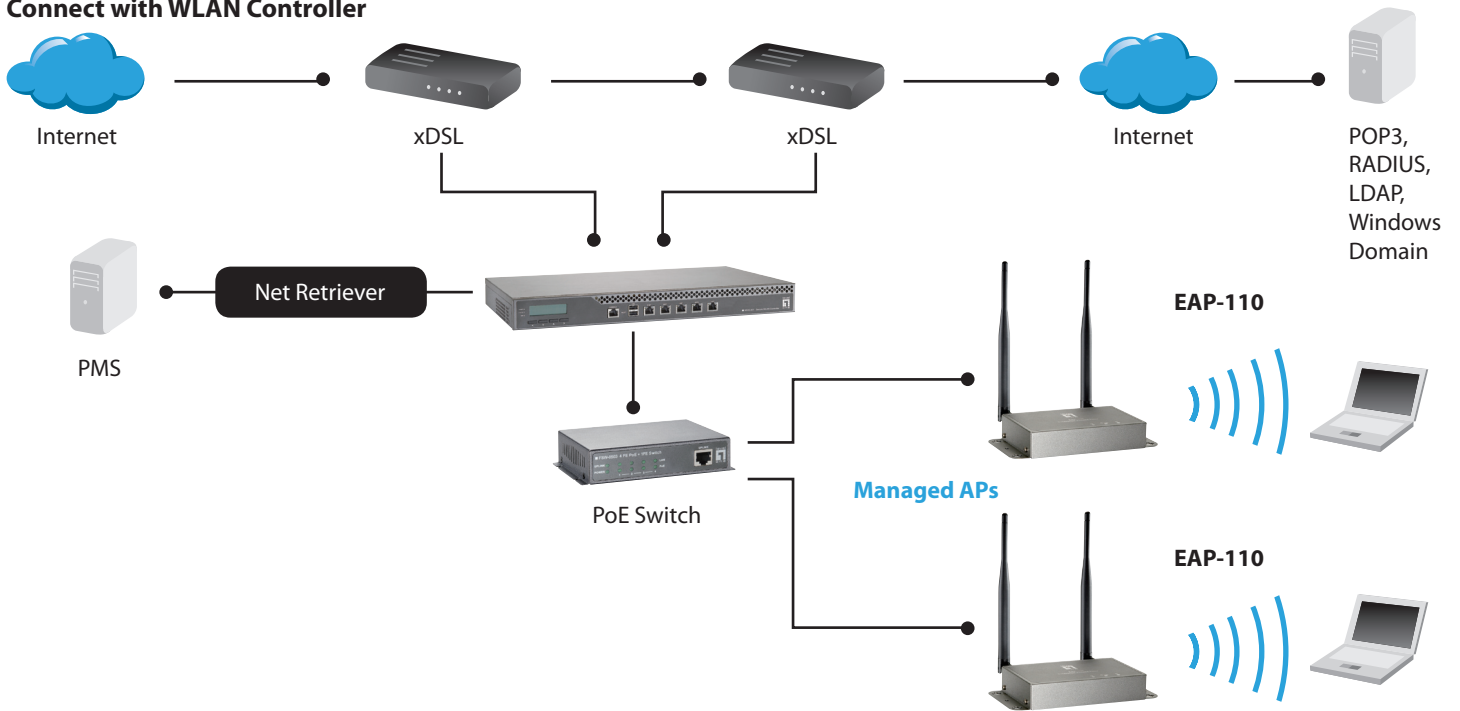
- FCC, CE
- RoHS compliant

Package Contents




- EAP-110 x 1
- CD-ROM (with User's Manual and QIG) x 1
- Quick Installation Guide (QIG) x 1
- Power Adapter (DC 5V) x 1
- Detachable Antenna with SMA connectors x 2

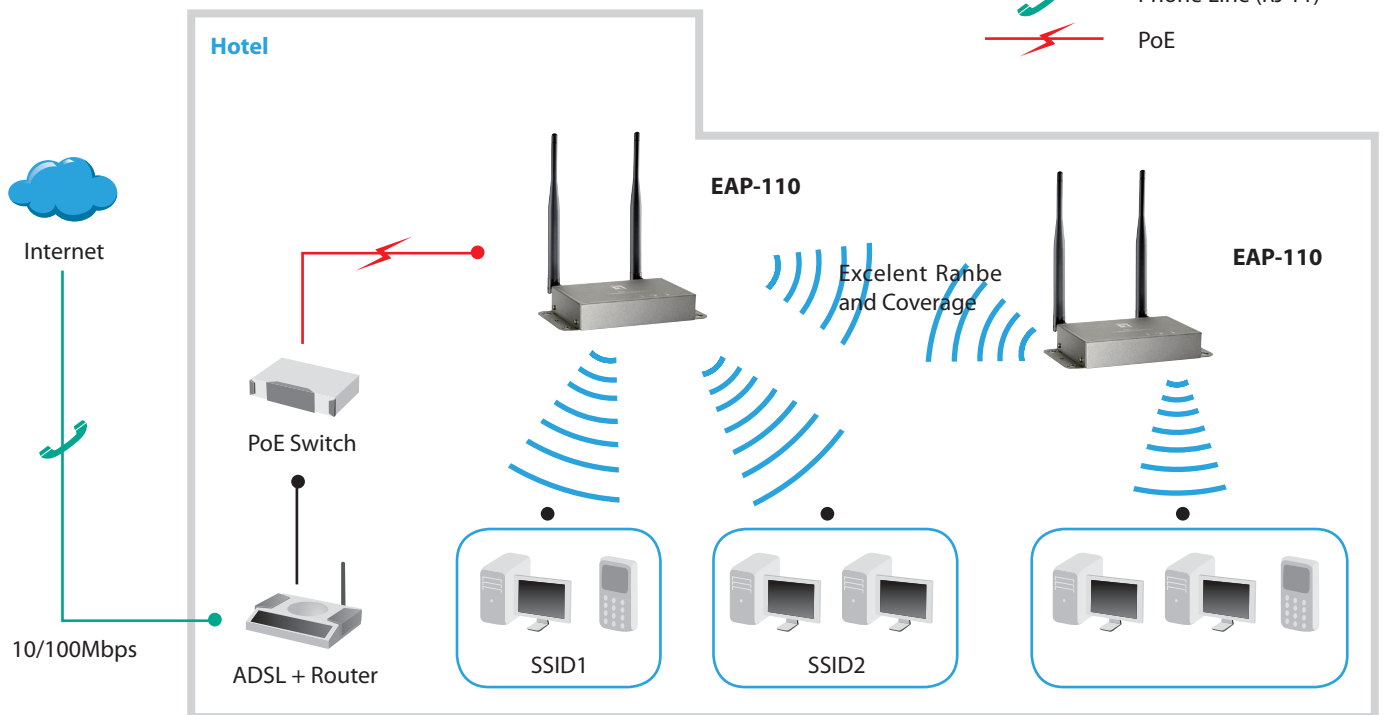
Product Diagram

Connect with WLAN Controller



Connect in Repeater mode

-  Ethernet Cable (RJ 45)
-  Phone Line (RJ 11)
-  PoE



Order Information

Package Content

EAP-110: 300Mbps Wireless PoE Managed Access Point

EAP-110, CD-ROM (with User's Manual and QIG), Quick Installation Guide (QIG)

Power Adapter (DC 5V), Antenna x 2

All mentioned brand names are registered trademarks and property of their owners. Technical specifications are subject to change without notice.

© Copyright Digital Data Communications GmbH. All Rights Reserved.