4ipnet®

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b g)))   **Press-n-Connect** **4ipWES**

The **4ipnet EAP700 Wall Jack Access Point** is an in/on-the-wall as well as a ceiling-mounted Wi-Fi IEEE 802.11b/g access point, designed to **blend into a working or a living environment** practically and elegantly with its simplistic yet chic design.

The compact EAP700 in a small form factor lays snug in a standard wall outlet box, and hides the wall cutout with its faceplate. Its front panel features LED status indicators and a RJ45 wall jack. It has the interfaces to serve both wireless and wired LAN access.

Bridging multiple EAP700s is at the touch of a button with **4ipWES (Press-n-Connect)** technology. It enables a quick and automatic **WDS Easy Setup** by pressing the WES button on EAP700. Extending wireless network coverage is a breeze. By utilizing PoE, EAP700 comes with an advantage of running fewer cables in the duct. The **Power over Ethernet (PoE)** LAN port on the EAP700 serves as the power feed as well as the wired network feed. Optionally, it can also be powered via an AC adapter when PoE switch is not available.

Standalone, EAP700 is an easy-to-install and cost-effective solution for most of indoor wireless deployments, including **hotel rooms, apartments, offices, classrooms, libraries, private homes, public kiosks,** etc. When working under one of 4ipnet Controllers, the combined network turns into an intelligent building solution, a managed internet service, or a Wi-Fi hotspot network of various scales. Multi-pack is available at lower cost to contractors/builders for larger deployments.
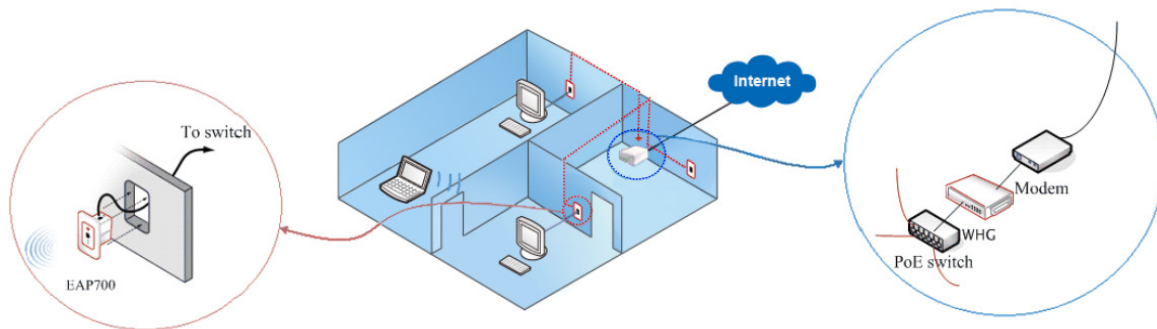
FEATURES & BENEFITS

Hidden in-the-wall behind faceplate, blending well into most of interior/architectural designs

- Clean and stylish look. The main unit fits in a standard size outlet box, hidden behind the wall-jack faceplate.
- The faceplate is a two-piece design, slide-able for adjusting the depth of the portion that goes in-the-wall, and for covering the mistakes around the cut-out hole.

Easy to install, fewer cables to run, flexible power feed options, meeting building codes

- The IEEE 802.3af Power over Ethernet (PoE) eliminates the need for power sockets, allowing installation of this device in areas where power outlets are not readily available to improve deployment flexibility.
- Using a single CAT5e cable feed both power and Ethernet data. Optional AC power feed is available.

High speed interface and QoS/WMM support, ideal for voice, video, and data applications

- Equipped with a powerful, high-speed IEEE 802.11b/g wireless interface and hidden 2.4GHz antenna.
- Transmit rate up to 108Mbps in Super G mode.
- With the additional QoS/WMM support, EAP700 is ideal for converged voice, video, and data applications.

4ipWES (Press-n-Connect) button for WDS Easy Setup

- The "Press- n-Connect" feature of WES button facilitates WDS connection setup without manual configuration.

Support business-class WLAN security, multiple-SSID, and VLAN tagging

- Advanced security options: 64/128/152 bits WEP, WPA/WPA2 with IEEE 802.1X or PSK (Pre-Shared Key).
- Support multiple ESSIDs and VLAN tagging.
- MAC ACL list & RADIUS client support for filtering out unauthorized wireless clients.

Flexible deployment – standalone, or managed in an intelligent building solution

- Stand-alone, EAP700 is a full AP (without router), normally chained from a modem router to service clients.
- WDS links can be established to bridge other APs for extending WLAN coverage.
- Supports client isolation, important in a hotspot or hospitality environment.
- When managed under a 4ipnet Controller, such as the WHG-series, the combination has been pre-integrated to provide solutions for many applications.

SPECIFICATIONS

Wireless Radio

- Frequency band: 2.4 GHz
- Wireless architecture:
  (1) AP mode
  (2) Repeater mode (WDS/Universal Repeater)
- Modulation:
  (1) 802.11g: OFDM (64-QAM, 16-QAM, QPSK, BPSK)
  (2) 802.11b: 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: 6~108 Mbps
- Antenna: Built-in chip antenna
- Receiver Sensitivity:
  (1) 802.11g: 54Mbps@-74dBm
  (2) 802.11b: 11Mbps@-89dBm
- RF output power:
  (1) US version: 500mW EIRP
  (2) EU version: 100mW EIRP

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)
- L2 Roaming

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
- MAC Address filtering (MAC ACL)
- MAC authentication with RADIUS servers
- Maximum number of registered RADIUS servers: 2

System Management

- Web-based administration
- SNMP v1/v2c
- Provides Event Log
- Syslog information support
- Statistics
- Configuration backup and restore
- One-button-click to restore factory default setting
- Firmware upgrade utility
- Capable of performing RADIUS Accounting and Accounting Update
- 4ipWES (Press-n-Connect) button for WDS Easy Setup

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 VAP: 32
- Setting for maximum number of associated clients
- Network policy based on ESSID

Hardware Specifications

- LAN Port: 1 × 10/100 Base-T Ethernet
- PoE Port: 1 × 10/100 Base-T Ethernet
- LED Indicators: 1 × Power, 1 × LAN, 1 × WLAN

Physical and Power

- Power:
  (1) DC Output: 12V, 1.5A
  (2) 802.3af PoE
- Form factor: In-Wall type
- Dimensions (W x H xD):
  Center unit: 1.88" x 3.07" x 3.07" (48mm x 78 mm x 78 mm)
  Faceplate: 2.95" x 4.72" x 0.35" (75mm x 120 mm x 9 mm)
- Weight: 0.42 lbs (0.19 kg)

Environment

- Operation Temperature: -20 ~ 60 °C (-4 ~ 140 °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

- 4ipnet EAP700 x 1
- CD-ROM (User's Manual and QIG) x 1
- Quick Installation Guide (QIG) x 1
- Faceplate set (2pcs) x 1
- Screw pack x 1

** Specifications subject to change without notice