

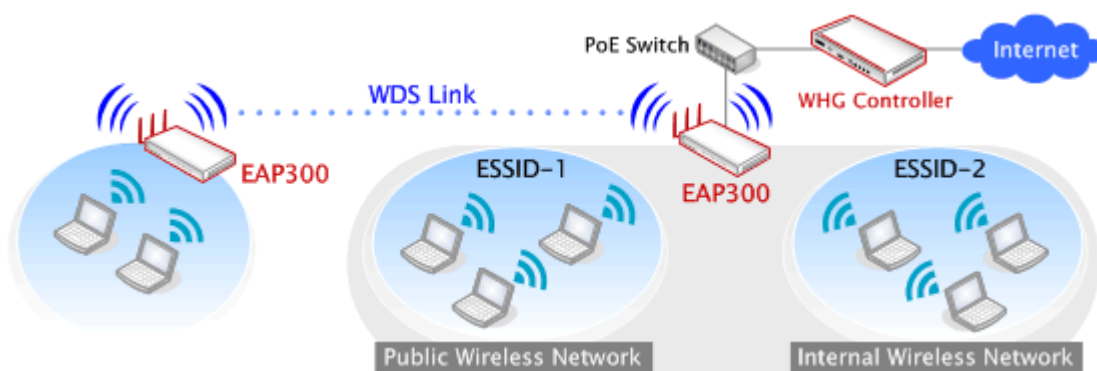


Embedded with 802.11n/a/b/g dual-band MIMO radio in IP50 dust-proof metal housing, the high speed (up to 300Mbps) and durable **4ipnet EAP300 Enterprise Access Point** is designed for wireless connectivity in enterprise or industrial environments of all dimensions.



EAP300 supports Tunnel-based AP Management, and comes with all standards demanded by enterprise applications, including business-grade security (802.1X, WPA and WPA2), and multiple ESSIDs with VLAN tags to separate the traffics of different departments. Beyond common expectations, EAP300's real surprise is the patent-pending **4ipWES (Press-n-Connect)** technology. Bridging multiple EAP300s is at the touch of a button with **4ipWES**, which enables a quick and automatic **WDS Easy Setup** by pressing the WES button on EAP300. Extending wireless network coverage is a breeze.

Supporting up to 300Mbps wireless speed with its 802.11n 3x3 MIMO solution, and a gigabit Ethernet interface, EAP300 is perfect for bandwidth-hungry applications such as video surveillance, multi-media streaming over wireless. The QoS – WMM ensures the quality of voice/video when multiple applications are transmitting media and data over the air simultaneously. EAP300's higher throughput, security and durability make it a perfect choice of wireless connectivity for your business



FEATURES & BENEFITS

Dual-band 3 x 3 MIMO Field Replaceable Antenna & Backward Compatible with 802.11n/a/b/g

- The antenna diversity design enhances the connection reliability to improve data transmission capability
- Three detachable high-gain antennas for optimal wireless coverage and field replaceable to meet customer demands for specific environment
- Equipped with a high-speed IEEE 802.11n/a/b/g wireless network interface, transmission rates up to 300Mbps

WDS/Repeater for Extending Wireless Coverage

- Creates structural WDS (Bridge or Repeater) links connecting to other WDS-capable APs
- WDS links can serve as EAP300's LAN connections to replace Ethernet ports, or simply bridge the wired side and the wireless side as a single network

Supporting QoS & 802.11e WMM

- Supports IEEE 802.1p/IEEE 802.1Q Quality of Service (QoS) tagging features
- Supports IEEE 802.11e Wireless Multi-Media to fulfill bandwidth thirsty triple-play (voice, audio and video) applications

Business-class WLAN Security & Client Authentications

- Advanced security options: 64/128/152 bits WEP, WPA/WPA2 with IEEE 802.1X or PSK (Pre-Shared Key)
- Wireless LAN segmentation, Disable SSID Broadcast and the option of station-isolation
- 4ipWES (Press-n-Connect) with push button enables quick/auto WDS link
- Ability to be configurable to filter out unauthorized wireless clients with build-in MAC-based access control list or via a back-end RADIUS server by sending an authentication request

Multiple Virtual APs & Capability of Client Isolation

- One EAP300 can emulate up to 8 Virtual APs (VAP), each with its own ESSID; that is, one AP can have 8 ESSIDs
- Each VAP appears to clients as an independent AP and its traffic can be associated with a VLAN ID
- Supports client isolation, isolated from each other under one AP

Wall mountable Dust-proof Metal Housing

- Enclosed in an IP50 metal chassis, durable and non-fire hazard for the industrial environment

Gigabit Ethernet port with PoE

- The IEEE 802.3af Power over Ethernet (PoE) compliant design eliminates the need for power sockets, allows installation of this device in areas where power outlets are not readily available to improve deployment flexibility, and provides standard based compatibility with other device
- Provides 10/100/1000 Gigabit Ethernet port, matching the wire and wireless throughput

Tunneled AP Management

- EAP300 can physically be deployed at any location with an IP network. Its WLAN can be logically incorporated into a remote 4ipnet Secure WLAN Controller that manages it through the internal network via secure tunnels
- With Tunneled AP Management, wireless clients associated to EAP300 can enjoy the network service provided by the remote 4ipnet Secure WLAN Controller

Secure WLAN Controllers

Wireless Radio

- Frequency band: 2.4 GHz and 5 GHz
- Wireless architecture:
 - (1) AP mode
 - (2) WDS mode (Repeater / Bridge)
- 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) 802.11a: 6 ~ 54 Mbps
 - (2) 802.11b: 1 ~ 11 Mbps
 - (3) 802.11g: 6 ~ 54 Mbps
 - (4) 802.11n: 6.5 ~ 300Mbps
- Transmit Power:
 - (1) 802.11a: Up to 16dBm
 - (2) 802.11b: Up to 18dBm
 - (3) 802.11g: Up to 18dBm
 - (4) 802.11n: Up to 16dBm
- Dual Band Antenna: 3
 - (1) 3dBi at 2.4GHz
 - (2) 5dBi at 5GHz
 Detachable with SMA connectors
- Receiver Sensitivity:
 - (1) 802.11a: 54Mbps@-68dBm
 - (2) 802.11b: 11Mbps@-88dBm
 - (3) 802.11g: 54Mbps@-74dBm
 - (4) 802.11n: 300Mbps@-68dBm

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)

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
- Capable of performing RADIUS Accounting and Accounting Update
- 4ipWES (Press-n-Connect) button for WDS Easy Setup
- Support Tunneled AP Management with 4ipnet

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

- IP50 Dust proof metal case
- LAN Port: 1 × 10/100/1000 Base-T Ethernet with PoE
- Console Port: 1 x DB9
- USB port: 1
- WES push button: 1
- LED Indicators:
 - 1 x Power, 1 x LAN, 1 x WLAN, 1 x WES, 1 x USB

Physical and Power

- Power:
 - (1) DC Output: 12V / 2A
 - (2) 802.af PoE (PSE not included)
- Form factor: wall mountable mini-book
- Dimensions (W x D x H): 8.7" x 5" x 1.3"
 - (220 mm x 127 mm x 33 mm)
- Weight: 1.8 lbs (0.82 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

- 4ipnet EAP300 x 1
- CD-ROM (User's Manual and QIG) x 1
- Quick Installation Guide (QIG) x 1
- Power cord x 1
- Power Adapter (DC 12V) x 1
- Antenna x 3

** Specifications subject to change without notice