



Embedded with 802.11n/b/g 2.4GHz MIMO radio in IP50 dust-proof metal housing, the high speed (up to 300Mbps) and durable **4ipnet EAP200 Enterprise Access Point** is designed for wireless connectivity in enterprise or industrial environments of all dimensions.

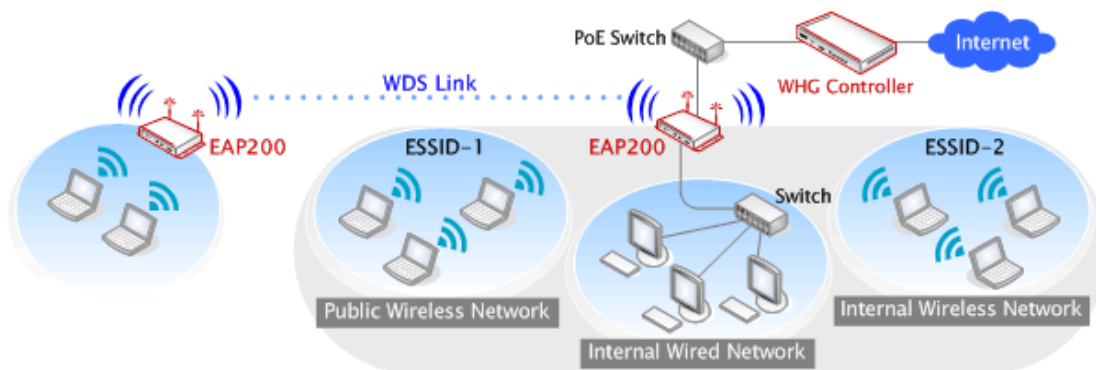


EAP200 makes the wireless communication fast, secure and easy. It supports business grade security such as 802.1X, and Wi-Fi Protected Access (WPA and WPA2). By pushing a purposely built button, **4ipWES (Press-n-Connect)** feature makes it easy to bridge wireless links of multiple EAP200s for forming wider wireless network coverage. EAP200 also features multiple ESSIDs with VLAN tags; one EAP200 can

emulate up to eight Virtual APs, great for enterprise applications, such as separating the traffics of different departments using different ESSIDs.

Supporting up to 300Mbps wireless speed with its 802.11n 2 x 2 MIMO solutions, EAP200 is perfect for bandwidth-hungry applications such as video surveillance, multimedia streaming over the wireless links. Its QoS – WMM feature ensures the quality of voice/ video when multiple applications are transmitting media and data over the air at the same time.

EAP200's higher throughput, security and durability make it a perfect choice of wireless connectivity for your applications.



## FEATURES & BENEFITS

### 2.4GHz 2 x 2 MIMO Field Replaceable Antenna & Backward Compatible with 802.11n/b/g

- The antenna diversity design enhances the connection reliability to improve data transmission capability
- Two detachable antennas for optimal wireless coverage and field replacement flexibility
- Equipped with a high-speed IEEE 802.11n/b/g wireless network interface, transmission rates up to 300Mbps

### WDS/Repeater for Extending Wireless Coverage

- 4ipWES (Press-n-Connect) with push button enables quick/auto WDS link
- Creates structural WDS (Bridge or Repeater) links connecting to other WDS-capable APs
- WDS links can serve as EAP200'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
- Configuration-capable to filter out unauthorized wireless clients with built-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 EAP200 can emulate up to 8 Virtual APs (VAP), each with its own ESSID; namely, 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 a metal housing, durable and non-fire hazard for the industrial environment

### Dual PoE with Link Failover

- 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 dual-PoE 10/100 Fast Ethernet ports with failover function for redundant connectivity

**Wireless Radio**

- Frequency band: 2.4 GHz
- 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 ~ 11 Mbps
  - (2) 802.11g: 6 ~ 54 Mbps
  - (3) 802.11n: 6.5 ~ 300Mbps
- Transmit Power:
  - (1) 802.11b: Up to 25dBm EIRP
  - (2) 802.11g: Up to 25dBm EIRP
  - (3) 802.11n: Up to 23dBm EIRP
- Antenna: 2 x detachable with SMA connectors
- Receiver Sensitivity:
  - (1) 802.11b: 11Mbps@-94dBm
  - (2) 802.11g: 54Mbps@-83dBm
  - (3) 802.11n: 300Mbps@-73dBm

**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
- 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

**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

**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: 2 x 10/100 Base-T Ethernet with PoE
- Console Port: 1 x DB9
- USB Port: 1
- Screw Terminal Block: 1
- LED Indicators: 1 x Power, 2 x LAN, 1 x WLAN, 1 x WES

**Physical and Power**

- Power adaptor (included)
  - (1) AC Input: 100~240 VAC, 50~60 Hz
  - (2) DC Output: 12V, 1.5A
- Alternative Power:
  - (1) 802.3af PoE (PSE not included)
  - (2) 12~48 VDC 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 ~ 70 °C
- Storage Temperature: -40 ~ 85 °C
- Operation Humidity: 10% ~ 80% (Non-condensing)
- Storage Humidity: 5% ~ 90% (Non-condensing)

**Certifications**

- FCC, CE
- RoHS compliant

**Package Contents**

- 4ipnet EAP100 x 1
- CD-ROM (with User's Manual and QIG) x 1
- Quick Installation Guide (QIG) x 1
- Console Cable x 1
- Ethernet Cable x 1
- Power Adapter (DC 12V) x 1
- Antenna x 2
- Screw pack x 1
- Ground Cable x 1

\*\* Specifications subject to change without notice