

EAP702 IN-WALL ACCESS POINT



INTRODUCTION

The 4ipnet EAP702 is a concurrent dual-band 802.11ac in-wall access point designed specifically for enhancing your traditional Ethernet/telephone outlets with Wi-Fi capabilities. It provides a Gigabit LAN port for your network devices and a pass-through telephone port for supporting telephone, modems and ADSL connections. Featuring two 2x2 MIMO radios, the EAP702 can simultaneously support up to 300 and 867 Mbps data rates in the 2.4 and 5 GHz bands respectively.

When EAP702 is deployed and centrally managed by 4ipnet WHG Controller, additional value-added applications such as bandwidth control, user authentication, and captive portals can be used to provide an ideal solution for all types of businesses.

HIGHLIGHTS

WI-FI

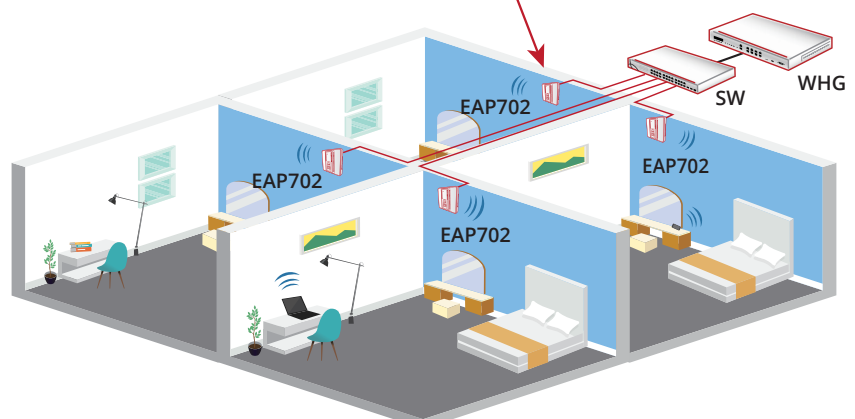
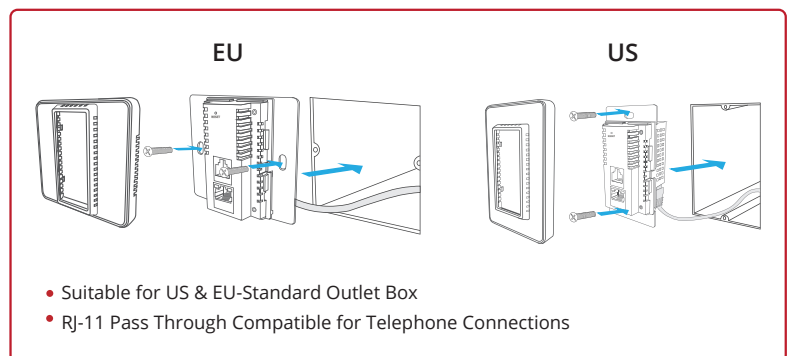
- Concurrent Dual-Band 2.4 & 5 GHz
- 2x2 MIMO supporting up to 1.2 Gbps data rate
- Support up to 16 ESSIDs.
- Enterprise-grade Wireless Security

PHYSICAL

- Simple Installation & Easy Per-room Deployment
- In-wall Design for US or EU standard outlets
- 802.3af PoE Uplink Port
- RJ-11 Pass-through Port

MANAGEMENT WITH 4IPNET WHG CONTROLLER

- Captive Portal & Guest Provisioning
- Fast Layer 2 / Layer 3 roaming
- User-based Access Management
 - Bandwidth Control
 - Firewall Policies
 - Routing Policies
- Wi-Fi Monetization



SPECIFICATIONS

PHYSICAL	
Power	<ul style="list-style-type: none"> • PoE: 802.3af compliant (PoE injector optional)
Dimensions	<ul style="list-style-type: none"> • US: 4.0 cm (L) x 7.0 cm (W) x 11.5 cm (H) • EU: 4.0 cm (L) x 8.5 cm (W) x 8.5 cm (H)
Weight	<ul style="list-style-type: none"> • 125 g (0.275 lbs)
Interfaces	<ul style="list-style-type: none"> • Uplink: 1 x 10/100/1000Base-T Ethernet, Auto MDIX, RJ-45 with 802.3af PoE • LAN: 1 x 10/100/1000Base-T Ethernet, Auto MDIX, RJ-45 • Bypass: 1 x RJ-11 (front) and 1 x RJ-11 (back)
LED Indicators	<ul style="list-style-type: none"> • Power • 1 x LAN Status (100 Mbps) • 1 x LAN Status (1 Gbps)
Buttons	<ul style="list-style-type: none"> • Reset / Restart
Environmental Conditions	<ul style="list-style-type: none"> • Operating Temperature: 0°C (32°F) to 40°C (104°F) • Operating Humidity: 0% to 90% non-condensing
Power Consumption	<ul style="list-style-type: none"> • 8W max.
Antenna	<ul style="list-style-type: none"> • Type: 2 x Built-in (2 x 2.4 GHz, 2 x 5 GHz) • Gain: 2 dBi (2.4 GHz), 3.5 dBi (5 GHz)
Mounting	<ul style="list-style-type: none"> • In-Wall (Mounting plate included)
Tamperproof Mounting Kit Lock	
WI-FI	
Standards	<ul style="list-style-type: none"> • 802.11 a/b/g/n/ac • Concurrent dual-band 2.4 & 5 GHz
Supported Data Rates	<ul style="list-style-type: none"> • 802.11b: 1, 2, 5.5, 11 Mbps • 802.11a/g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps • 802.11n: 6.5 – 144 Mbps (20 MHz) • 802.11n: 13.5 – 300 Mbps (40 MHz) • 802.11ac: 6.5 – 173.4 Mbps (20 MHz) • 802.11ac: 13.5 – 400 Mbps (40 MHz) • 802.11ac: 29.3 – 866.6 Mbps (80 MHz)
Radio Chains	<ul style="list-style-type: none"> • 2 x 2
Spatial Streams	<ul style="list-style-type: none"> • 2
RF Output Power*1	<ul style="list-style-type: none"> • 2.4 GHz: Up to 10 dBm*2 • 5 GHz: Up to 10 dBm*2
Channelization	<ul style="list-style-type: none"> • 20 MHz • 40 MHz • 80 MHz
Frequency Band	<ul style="list-style-type: none"> • 2.412 – 2.472 GHz • 5.180 – 5.825 GHz
Operating Channels	<ul style="list-style-type: none"> • 2.4 GHz: 1 – 11 (US), 1 – 13 (Europe), 1 – 13 (Japan) • 5 GHz*3: 36 – 165 (US), 36 – 140 (Europe), 36 – 140 (Japan)
ESSIDs	<ul style="list-style-type: none"> • Up to 8 per radio (16 total)
PERFORMANCE	
Physical Data Rate	<ul style="list-style-type: none"> • Up to 300 Mbps (2.4 GHz) • Up to 867 Mbps (5 GHz)
Concurrent Users	<ul style="list-style-type: none"> • Up to 200 (100 on 2.4 GHz, 100 on 5 GHz)

*1: RF output power doesn't contain antenna gain

*2: Maximum power is limited by local regulatory requirements

*3: Some channels are restricted by local regulatory requirements

QUALITY OF SERVICE	
Wireless QoS (802.11e/WMM)	
DSCP (802.1p)	
Multicast to Unicast Conversion	
Optimal Client Filtering	

MANAGEMENT	
Deployment	<ul style="list-style-type: none"> Standalone Tunneled management by 4ipnet WHG Controller IPv4 compatible
Configuration	<ul style="list-style-type: none"> Web User Interface (HTTP/HTTPS) SNMP v1, v2c, v3

SECURITY	
Wireless Security	<ul style="list-style-type: none"> WEP WPA/WPA2 Mixed (TKIP/AES Mixed) WPA2-Personal (AES) WPA2-Enterprise (AES)
VLAN Tagging (802.1Q)	
Station Isolation	
DHCP Snooping	
Layer-2 Firewall	

MOBILITY/ROAMING	
802.1X Preauthentication	
Layer 2/Layer 3 Fast Roaming	

RECEIVE SENSITIVITY		
Operating Mode	Data Rate	Receive Sensitivity (dBm)
802.11b	1 Mbps	-91
	11 Mbps	-84
802.11a	6 Mbps	-86
	54 Mbps	-69
802.11g	6 Mbps	-86
	54 Mbps	-69
802.11n (HT20)	MCS0	-85
	MCS7	-68
	MCS8	-85
	MCS15	-66
802.11n (HT40)	MCS0	-84
	MCS7	-65
	MCS8	-84
	MCS15	-63
802.11ac (VHT20)	MCS0	-85
	MCS8	-65
802.11ac (VHT40)	MCS0	-84
	MCS9	-60
802.11ac (VHT80)	MCS0	-80
	MCS9	-54

