PEPWAVE | AP One AX

Better Coverage and Speed with Wi-Fi 6

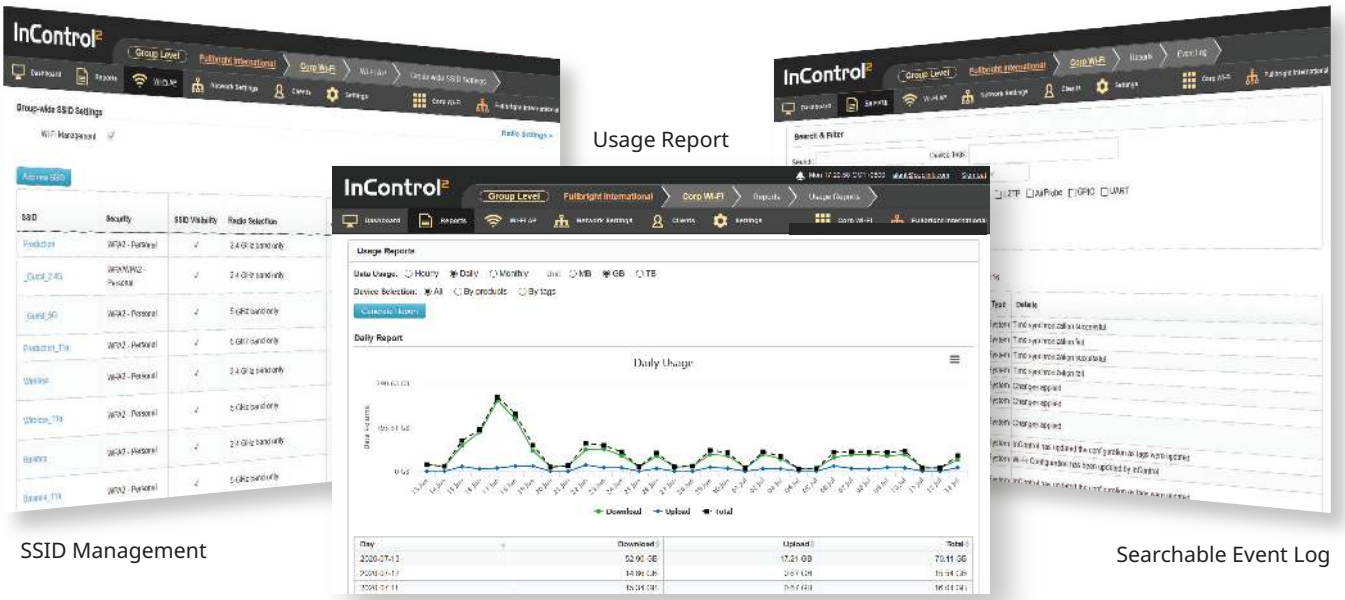
Deploy Anywhere, Manage Centrally

Turnkey or Custom Captive Portals

Enterprise-Grade Fast Roaming

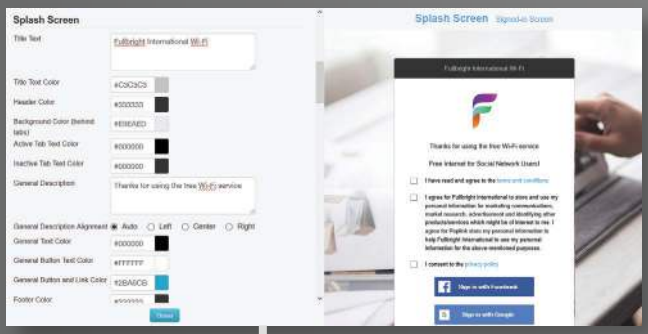
Seamless Peplink SD-WAN Integration

Manage Centrally, No Extra Hardware Needed



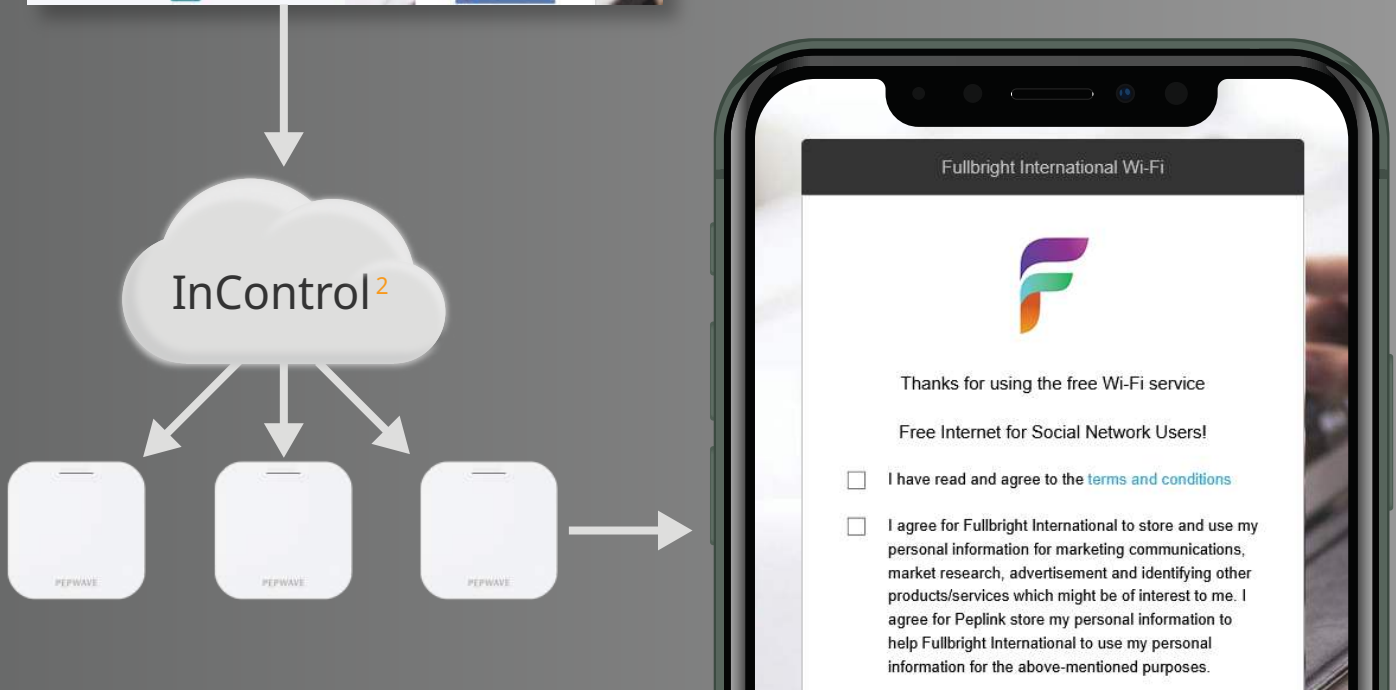
Each AP One AX comes equipped with InControl central management. View the health and data usage of your network from any web browser. Centrally manage your network's SSID and radio settings from a single pane of glass. Use the searchable event log to quickly diagnose your entire network.

Turnkey or Custom Captive Portals



Customize your captive portal as little or as much as you would like. Right out of the box, it includes a captive portal ready for immediate use.

For a more branded user experience, you can edit every aspect of the captive portal using InControl.



Simply Better Wi-Fi

Wi-Fi 6: Faster, Better
This technology is 45% faster than Wi-Fi 5, has 4x more device capacity, and consumes less power for connected devices.

Enterprise-Grade Fast Roaming
This device supports 802.11k, v, and r, providing users with a more seamless roaming experience between access points.

Seamless Peplink SD-WAN Integration

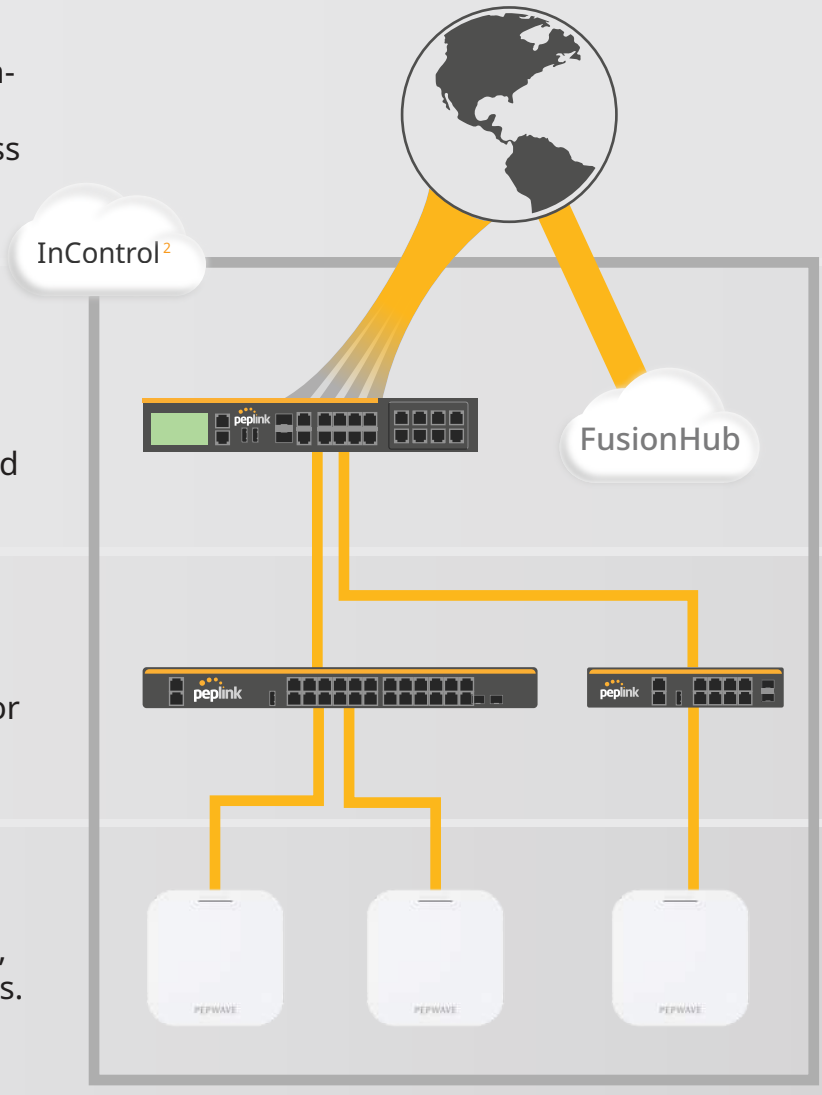
The AP One AX works seamlessly with other services in the Peplink ecosystem, providing unique network capabilities, unmatched network flexibility and ease of use.

InControl Central Management
Monitor network health on a single dashboard. Push configuration profiles on multiple devices at once. Remotely access the Web Admin of any device.

Balance/MAX/FusionHub
Provides unbreakable connectivity by combining multiple WANs. Works with InControl to centralize VLAN, firewall, and outbound policy.

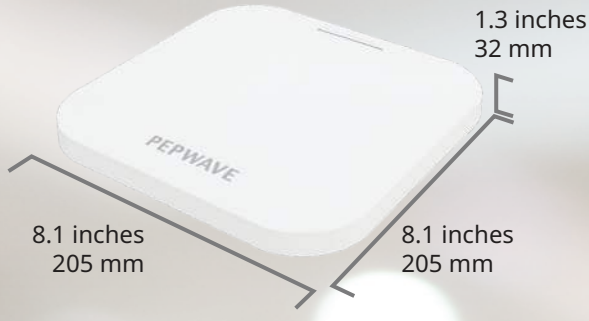
SD-Switch
Works with InControl to remotely configure and activate PoE ports. Monitor power consumption.

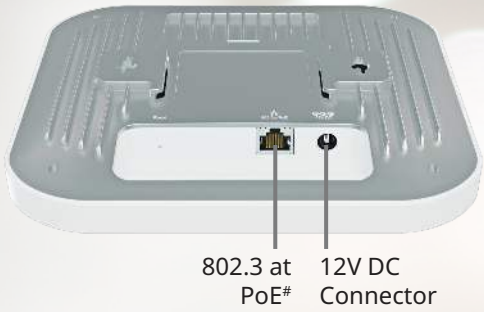
AP One
Works with InControl to centralize SSIDs, radio settings, and deliver captive portals.



AP One AX Specifications

Product Code	APO-AX
Ethernet Port	1x 2.5 Multigigabit Ethernet
Wi-Fi Standard	1x 2.4Ghz 802.11b/g/n/ax 1x 5Ghz 802.11a/n/ac/ax
Data Rates	4X4 MU-MIMO 2.4 GHz: up to 1148 Mbps 5 GHz: up to 2400 Mbps
Channel Width	20/40/60/80 MHz
Recommended Concurrent Users per Radio	256
SSID Per Radio	16
Transmit Power	2412 – 2472 MHz: 25dBm 5180 – 5825 MHz: 25dBm
Included Antenna	Built-in Omni Antenna Antenna gain: 5dBi for 2.4GHz, 5dBi for 5GHz
Enclosure	Plenum-rated, Indoor Plastic
Dimensions	8.1 x 8.1 x 1.3 inches 205 x 205 x 32 mm
Weight	1.73 pounds 785 grams
Power Input	DC Jack: 12V DC AC Adapter: AC Input 100V – 240V, DC Output 12V, 2.5A* 802.3 at PoE #
Power Consumption	23W (max.)
Operating Temperature	32° - 104°F 0° - 40°C
Certifications	FCC, CE, RoHS
Warranty	1 Year Limited Warranty
Package Content	AP One AX, Ceiling Mount Base (9/16" T-Rail), Ceiling Mount Base (15/16" T-Rail), Mounting Screw Set





* Optional feature.
# PoE Injector is available separately.

Network
- Bridge Mode
- Router (NAT) Mode
- Wireless Distribution System (WDS)
- Support for PPPoE, Static IP, DHCP
- Management VLAN
- Spanning Tree Protocol
- IPv6 passthrough

Radio
- Multiple SSID
- Auto Channel Selection
- Transmit Power Adjustment
- Neighbor AP Detection

AP Security
- Open
- WPA/WPA2/WPA3-Personal
- WPA/WPA2-Enterprise

Device Management
- Web Administrative Interface
- InControl Cloud Management
- Peplink AP Controller
- SNMP v1, v2c and v3

Client Management

Per SSID
- VLAN with QoS (802.1p/802.1q)
- Bandwidth Control
- MAC Address Filtering
- Layer 2 Client Isolation
- Limit on Max. Number of Client

Per Client
- VLAN with RADIUS
- VLAN with VLAN Pool
- Bandwidth Control
- Multicast Filter
- IGMP Snooping/Multicast Enhancement

Captive Portal by InControl

Package Contents
- AP ONE AX
- Ceiling Mount
- Screw Kit

Ordering Information

Product Code	Description
APO-AX	4x4 MIMO Wi-Fi 6 AP for Business, manageable by InControl 2. Simultaneous Dual-Band 802.11ax/ac/b/g/n

Add-on Feature

Product Code	Description
ACW-107	802.3af/at PoE Injector. Compatible with MAX Hotspot and AP One AX
ACW-602	1x12V3A Power Supply. Compatiable with MAX HD2 and AP One AX

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