AP One

Fast, Secure and Manageable Enterprise Wireless

Pepwave AP One access points deliver enterprise-grade performance, the flexibility to deploy anywhere, and easy setup and management. From the tiny but mighty AP One AC Mini to the super tough AP One Flex, the AP One series offers fast, secure, long-range Wi-Fi that goes wherever you do.

AP One AC mini AP One In-Wall AP One Enterprise

All-Weather Enclosure | Rugged Electronics | Central Reporting & Management

InControl²
Setup. Manage. Report.
InControl 2 Cloud Management

AP Controller
AP Controller with
Peplink Balance Multi-WAN Routers

Go the Distance.

Our exclusive signal-boosting technology virtually eliminates dead spots and dropouts. You get full transmit power across all channels, unmatched range and reliability with less equipment and less management effort.

Go for Easier AP Management.

It's simple to configure AP One series access points wherever you work. For onsite management, you have complete control and comprehensive reporting from any Peplink Balance/MAX# router. And with InControl 2, our cloud management solution, you get real-time client lists and bandwidth activity, plus a handy device snapshot, all from any device running a supported web browser.

#MAX routers include MAX 700 & HD series only.

Go Wireless Anywhere.

Indoors or outdoors, there's an AP One access point for any job.

AP One Flex
The AP One Flex features an IP55 all-weather enclosure and provides seamless coverage over large areas.

AP One Rugged
Housed in tough metal enclosures and easy to integrate with the rest of your network, the AP One Rugged set the standard for high-performance, low-maintenance indoor Wi-Fi.

AP One In-Wall
The AP One In-Wall mounts on a standard electrical outlet box for installations without big boxes or nests of wires.

AP One AC mini
Compact and capable, the AP One AC mini delivers true AP One power in a palm-sized package that fits in your pocket.

AP One Enterprise
Powered by PoE, the AP One Enterprise has 3x3 MIMO dual-radio Wi-Fi transmits wireless data at up to 1750Mbps. You can mount it directly to the ceiling at office.

For Education – Setup, Manage, and Monitor Campus Wi-Fi from Your Peplink Balance/MAX#

4 AP One Flex can deliver guest Wi-Fi while connecting Ethernet-enabled devices, such as surveillance cameras

5 Web blocking keeps your students and staff out of unwanted websites and help them stay away from distraction

6 Get detailed access point usage reports anytime, right from your Balance 2500

1 Provision campus-wide Wi-Fi with the Balance 2500's built-in **AP Controller**

3 Featuring a rugged metallic enclosure that is both desktop- and wall-mount friendly, the AP One Ruggged are ideal for large indoor areas requiring multiple access points

2 Mountable in standard US or EU/worldwide single-gang wall jacks, AP One In-Wall is a perfect fit for lecture halls and classrooms

* Requires 48V Pepwave passive PoE input, available separately.

AP Controller is a software-based AP management tool for Balance and selected MAX routers. It lets you manage your entire wireless network, with AP One and AP Pro, from your Balance or MAX router. Visit peplink.com/ap-controller for details.

Features

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

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

Client Managment
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

AP Security
Open, WEP
802.1X with Dynamic WEP
WPA2-Personal
WPA2-Enterprise
WPA/WPA2-Personal
WPA/WPA2-Enterprise

Complete VPN Solution
PepVPN
- Site-to-Site VPN
- 256-bit AES Encryption
- Pre-shared Key Authentication

Captive Portal
By InControl
By Peplink AP Controller

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

Certification
FCC, CE, RoHS

Applications

For SMBs – Setup, Manage, and Monitor Office Wi-Fi from Your Peplink Balance/MAX#

Ethernet LAN

AP One Enterprise

2 Power-on AP One access points and connect them to your office LAN with Ethernet cables

Ethernet LAN

AP One AC mini

3 Sit back while your Balance One automatically configures your access points

4 Web blocking keeps your staff out of unwanted websites and help them stay productive

5 Get detailed access point usage reports anytime, right from your Balance One

Balance One

Fiber

Cable

Internet

1 Provision AP One access points with the Balance One's built-in **AP Controller**

For Hospitality – Offer Guest Hotspots Complete with Captive Portals

AP One Flex

Ethernet LAN

3 AP One Flex can deliver guest Wi-Fi while connecting Ethernet-enabled devices, such as surveillance cameras

4 Web blocking keeps your guests out of unwanted websites

5 View detailed usage reports right from your Balance 380

Balance 380

Fiber

Cable

Internet

AP One In-Wall

Ethernet LAN

1 Setup custom portal and T&C pages, as well as optional time- or usage-based quotas you can monitor using the Balance 380's intuitive interface

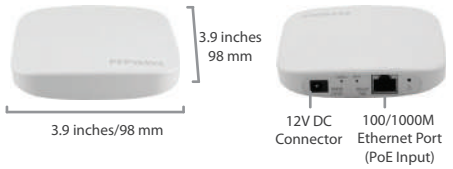
2 Guests connect to your Wi-Fi hotspot, accept T&C on your captive portal, and start surfing

* Requires 48V Pepwave passive PoE input, available separately.

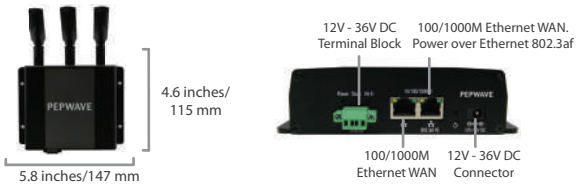
Specifications

	AP One AC Mini	AP One Rugged	AP One Enterprise	AP One In-Wall	AP One Flex
Product Code	APO-AC-MINI	APO-RUG	APO-ENT	APO-AGN2-IW-US/APO-AGN2-IW	APO-FLX
Ethernet Port	1x GE	2x GE	2x GE	1x FE Uplink 4x FE	3x GE
Wi-Fi Standard	802.11ac/a/b/g/n	Simultaneous 802.11ac/a/n and 802.11b/g/n	Simultaneous 802.11ac/a/n and 802.11b/g/n	Simultaneous 802.11a/n and 802.11b/g/n	Simultaneous 802.11ac/a/n and 802.11b/g/n
Data Rates	2x2 MIMO 2.4 GHz: 300Mbps 5GHz: 866Mbps	3x3 MIMO 2.4GHz: 450Mbps 5GHz: 1300Mbps	3x3 MIMO 2.4GHz: 450Mbps 5GHz: 1300Mbps	2x2 MIMO 2.4 GHz: 300Mbps 5 GHz: 300Mbps	2x2 MIMO 2.4 GHz: 300Mbps 5 GHz: 866Mbps
Recommended Concurrent Users Per Radio	60	60	60	60	60
SSID Per Radio	16	16	16	16	16
Transmit Power	2412 – 2472 MHz: 23dBm 5180 – 5825 MHz: 17dBm	2412 – 2472 MHz: 24dBm 5180 – 5825 MHz: 22dBm	2412 - 2472 MHz: 24dBm 5180 - 5825 MHz: 23dBm	2412 – 2472 MHz: 17dBm 5180 – 5825 MHz: 17dBm	2412 - 2472 MHz: 24dBm 5180 - 5825 MHz: 23dBm
Included Antenna	Built-In Omni Antenna Antenna gain: 2dBi for 2.4GHz, 4dBi for 5GHz	2x Dual-Band Omni Antenna Antenna gain: 3dBi for 2.4GHz, 5dBi for 5GHz	Built-in Omni antenna Antenna gain: 3dBi for 2.4GHz, 4dBi for 5GHz	Built-In MIMO Omni Antenna Antenna gain: 2dBi for 2.4GHz, 4dBi for 5GHz	Built-In MIMO Directional Antenna Antenna gain: 8dBi for 2.4GHz, 10dBi for 5GHz
Antenna Connector	N/A	3x RP-SMA Connectors	N/A	N/A	2x RP-SMA Connectors (5GHz)
Enclosure	Plenum-rated, Indoor Plastic	Ruggedized Metal	Plenum-rated, Indoor Plastic	Plenum-rated, Indoor Plastic . Mounts Into Standard US/EU Single Gang Wall Jack	Waterproof IP55 Outdoor
Weight	0.33 pounds 150 grams	0.93 pounds 420 grams	0.57 pounds 260 grams	0.37 (US) / 0.34 pounds 170 (US) / 155 grams	1.15 pounds 520 grams
Power Input	AC Input 100V – 240V, DC Output 12V, 802.3af PoE (Injector Not Included)	AC Input 100V – 240V, DC Output 12V, 802.3af PoE	802.3af PoE (Injector Not Included)	48V DC Connector 802.3af/802.3at PoE	56V DC Passive PoE 802.3af/802.3at PoE
Power Consumption	12W (max.)	13W (max.)	13W (max.)	15W (max.)	13W (max.)
Operating Temperature	23° - 113°F -5° - 45°C	-40° – 149°F -40° – 65°C	23° - 113°F -5° - 45°C	-4° – 104°F -20° – 40°C	-40 - 122°F -40 - 50°C
Humidity	15% – 95% (non-condensing)				
Certifications	FCC, CE, RoHS, IC			FCC, CE, RoHS	
Warranty	1-Year Limited Warranty				

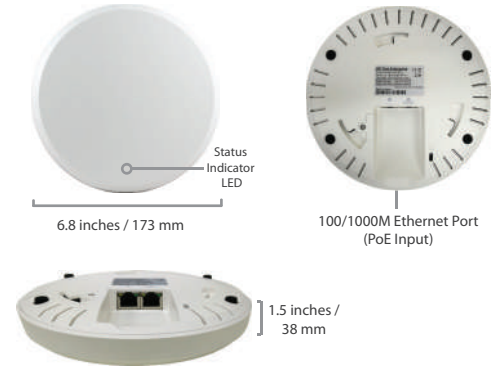
AP One AC Mini



AP One Rugged

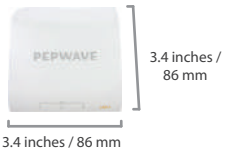


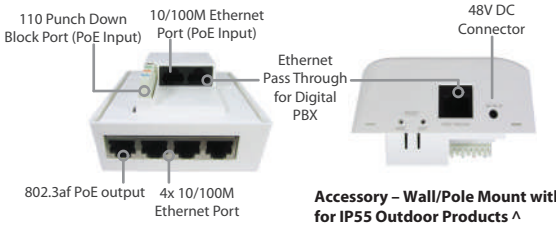
AP One Enterprise



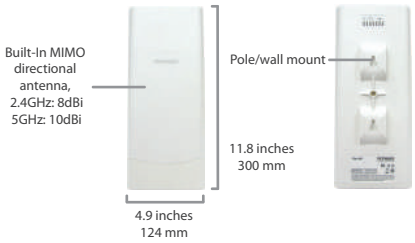
AP One InWall (US)

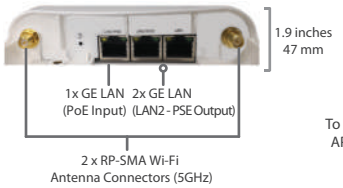
AP One InWall (International)



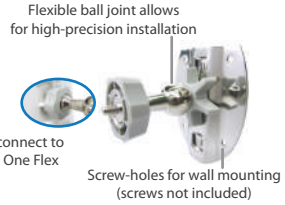


AP One Flex





Accessory – Wall/Pole Mount with Ball Joint for IP55 Outdoor Products ^



^ Available separately.

Product Ordering Information

AP ONE FLEX

Accessories for AP One Flex

Product Code	Compatible With	Description
ACW-109	DCS-GN-IP55	1x 56V/2.1A Power Supply and PoE License to Enable 802.3at PoE+ Output

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www.peplink.com

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