

AP One

PEPWAVE
Broadband Possibilities

Fast, Secure and Manageable Enterprise Wireless for Every Environment



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 300M, 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.

Go Wireless Anywhere.

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

AP One Flex 300M

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

AP One 300M

Housed in tough metal enclosures and easy to integrate with the rest of your network, the AP One 300M 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.

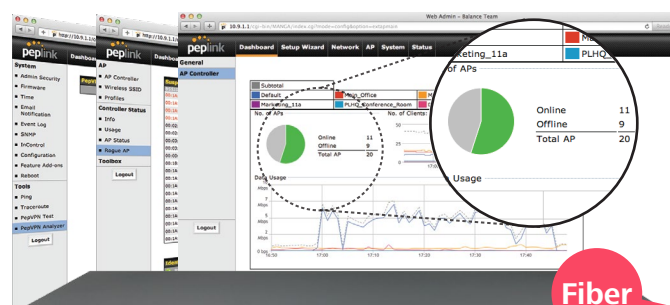
AP One Enterprise

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.

[#]MAX routers include MAX 700 & HD series only.

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

- 4 AP One Flex 300M can deliver guest Wi-Fi while connecting and powering up to two 802.3af/48V Pepwave passive PoE-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**



- 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

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 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

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

802.3af or 48V Pepwave passive PoE output *

Fiber

Cable

Internet

AP One 300M

Ethernet LAN

Balance 2500

Ethernet LAN

AP One In-Wall

Tablet

Smartphone

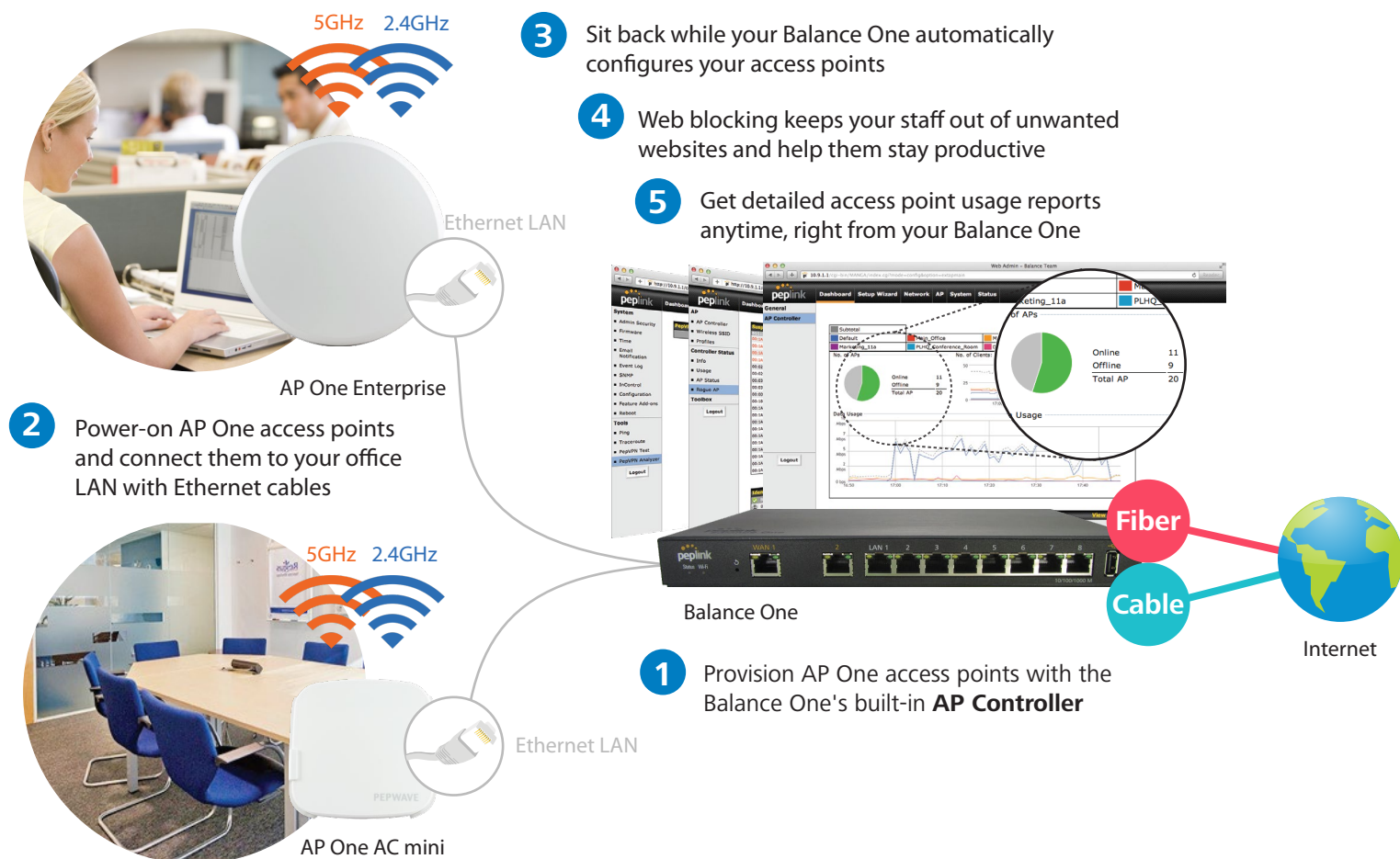
Laptop

- 3 Featuring a rugged metallic enclosure that is both desktop- and wall-mount friendly, the AP One 300M are ideal for large indoor areas requiring multiple access points

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

Applications

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



For Hospitality – Offer Guest Hotspots Complete with Captive Portals

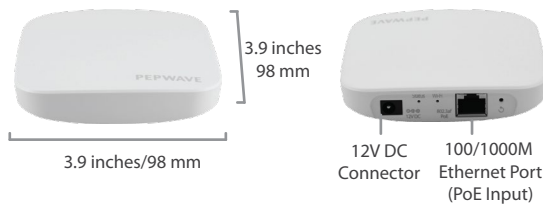


* Requires 48V Pepwave passive PoE input, available separately.

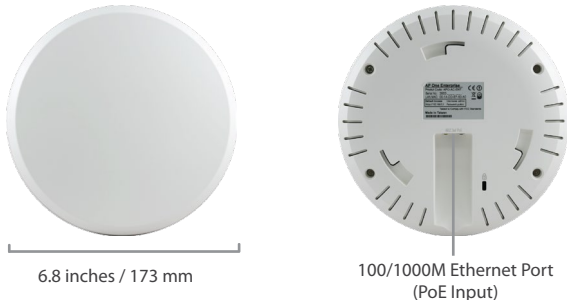
Specifications

	AP One AC Mini	AP One 300M	AP One Enterprise	AP One In-Wall	AP One Flex 300M
Product Code	APO-AC-MINI	APO-AGN	APO-ENT	APO-AGN2-IW-US/APO-AGN2-IW	APO-FLX-GN
Ethernet Port	1x GE	2x GE	1x GE	1x FE Uplink 4x FE	1x FE
Wi-Fi Standard	Simultaneous 802.11ac/a/n and 802.11b/g/n	802.11a/n or 802.11b/g/n	Simultaneous 802.11ac/a/n and 802.11b/g/n	Simultaneous 802.11a/n and 802.11b/g/n	802.11b/g/n
Data Rates	2x2 MIMO 2.4 GHz: 300Mbps 5GHz: 866Mbps	2x2 MIMO 2.4 GHz: 300Mbps or 5 GHz: 300Mbps	3x3 MIMO 2.4GHz: 450Mbps 5GHz: 1300Mbps	2x2 MIMO 2.4 GHz: 300Mbps 5 GHz: 300Mbps	2x2 MIMO 2.4 GHz: 300Mbps
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: 25dBm 5180 – 5825 MHz: 22dBm	2412 - 2472 MHz: 24dBm 5180 - 5825 MHz: 23dBm	2412 – 2472 MHz: 17dBm 5180 – 5825 MHz: 17dBm	2412 – 2472 MHz: 28dBm
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, Switchable 10dBi MIMO Directional (75° Horizontal x 35° Vertical Beamwidths) and 4dBi MIMO Omni Antennas
Antenna Connector	N/A	2x RP-SMA Connectors	N/A	N/A	N/A
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 pound 150 grams	0.93 pound 420 grams	0.57 pound 260 grams	0.37 (US) / 0.34 pound 170 (US) / 155 grams	1.15 pounds 520 grams
Power Input	AC Adapter: AC Input 100V – 240V, DC Output 12V 802.3af PoE (Injector Not Included)		802.3af PoE (Injector Not Included)	48V DC Connector 802.3af/802.3at PoE	Pepwave Passive PoE: 12V – 48V DC (48V Pepwave Passive PoE Input is Needed for 802.3af or Pepwave Passive PoE Output)
Power Consumption	12W (max.)	11W (max.)	13W (max.)	15W (max.)	15W (max.)
Operating Temperature	23° - 113°F -5° - 45°C	-4° – 149°F -20° – 65°C	23° - 113°F -5° - 45°C	-4° – 104°F -20° – 40°C	-4° – 149°F -20° – 65°C
Humidity	15% – 95% (non-condensing)				
Certifications	FCC, CE, RoHS				
Warranty	1-Year Limited Warranty				

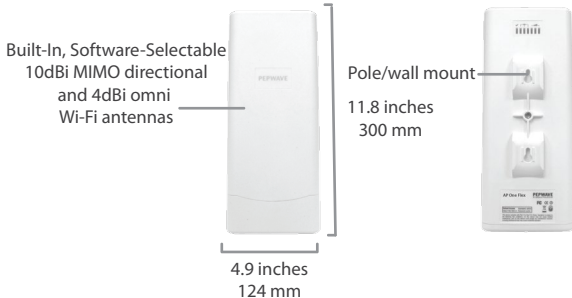
AP One AC Mini



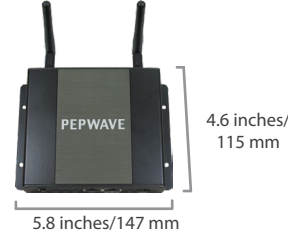
AP One Enterprise



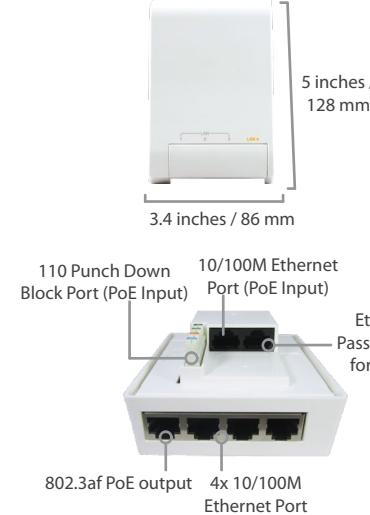
AP One Flex 300M



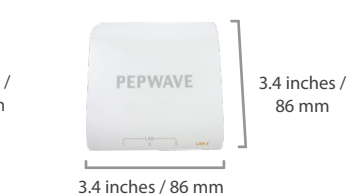
AP One 300M



AP One InWall (US)

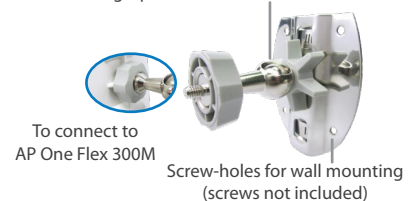


AP One InWall (International)



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

Flexible ball joint allows for high-precision installation



* Requires 48V Pepwave Passive PoE input. Available separately.

^ Available separately.

www.pepwave.com

PEPWAVE
Broadband Possibilities

©Pepwave. All rights reserved. Pepwave, the Pepwave logo, and SpeedFusion are trademarks of Pepwave Ltd. Other brands and product names are trademarks or registered trademarks of their respective holders. All specifications are subject to change without notice.