AP One

PEPWAVE
Broadband Possibilities

Fast, Secure and Manageable Enterprise Wireless for Every Environment

AP One In-Wall AP One 300M AP One Flex

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 In-Wall to the super tough AP One Flex, the AP One series offers fast, secure, long-range Wi-Fi that goes wherever you do.

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 TruePower RF range- and signal-boosting technology virtually eliminates dead spots and dropouts. With TruePower RF, you get full transmit power across all channels, giving you unmatched range and reliability with less equipment and fewer management headaches. TruePower RF requires zero setup or configuration, and it's part of every AP One access point.

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 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
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 pint-sized package that fits in your pocket.

Applications

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

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

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

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

3 AP One Flex can deliver guest Wi-Fi while connecting and powering up to two 802.3af-/48V Pepwave passive PoE-enabled devices, such as surveillance cameras

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

5 View detailed usage reports right from your Balance 380

Balance 380

Fiber

Cable

Internet

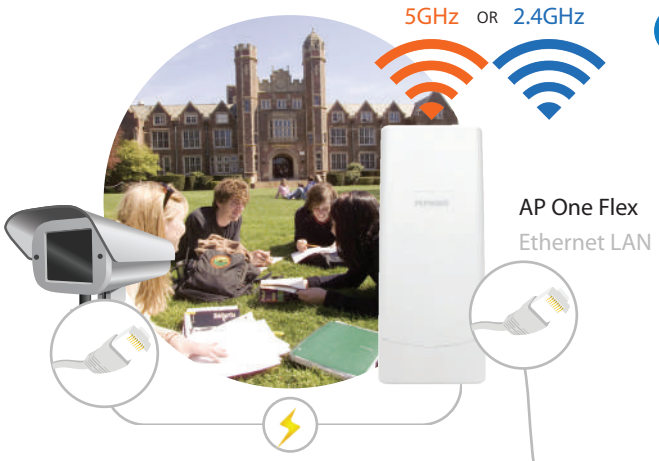
1 Setup custom portal and T&C pages, as well as optional time- or usage-based quotas you can monitor using the Balance 380's intuitive interface

Ethernet LAN

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.

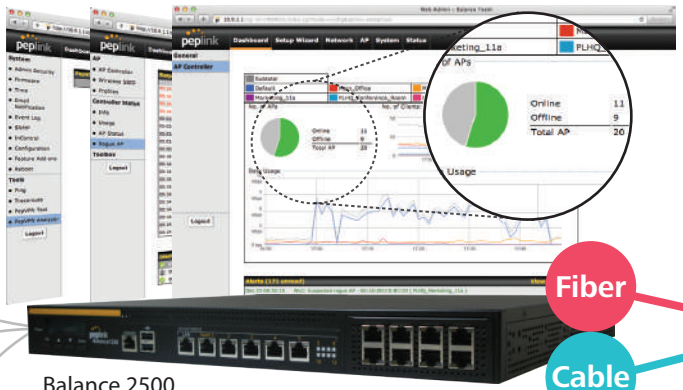
For Education – Setup, Manage, and Monitor Campus Wi-Fi from Your Peplink Balance

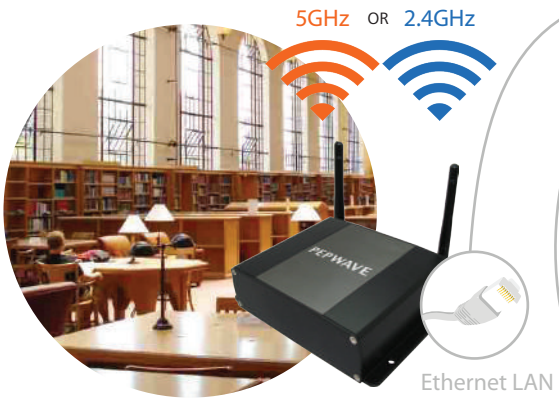


4 AP One Flex can deliver guest Wi-Fi while connecting and powering up to two 802.3af-/48V Pepwave passive PoE- enabled devices, such as surveillance cameras

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

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 and AP One 300M 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 select 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 (802.1p)
Spanning Tree Protocol (802.1d)

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
WPA-PSK/RADIUS
WPA2-PSK/RADIUS

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

Captive Portal
By InControl
By Peplink AP Controller

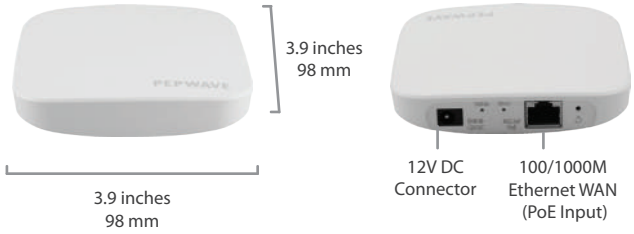
Device Management
Web Administrative Interface
InControl Cloud Management
Peplink AP Controller
SNMP v1, v2c and v3

Certification
FCC, CE, RoHS

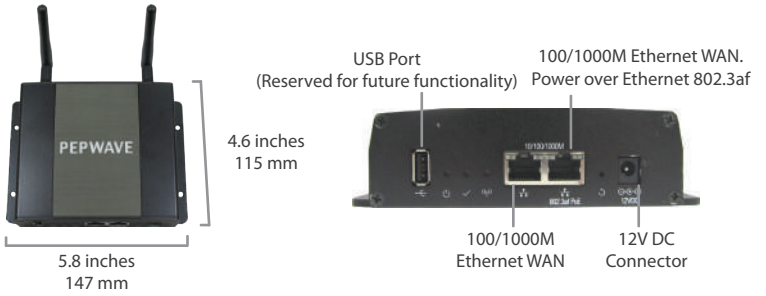
Specifications

	AP One AC mini	AP One 300M	AP One In-Wall	AP One Flex 300M
Product Code	APO-AC-MINI	APO-AGN	APO-AGN2-IW-US / APO-AGN2-IW	APO-FLX-GN
Ethernet Port	1x GE	2x 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 802.11a/n and 802.11b/g/n	802.11b/g/n
Data Rates	2x2 MMO 2.4 GHz: 300Mbps 5GHz: 866Mbps	2x2 MMO 2.4 GHz: 300Mbps or 5 GHz: 300Mbps	2x2 MMO 2.4 GHz: 300Mbps 5 GHz: 300Mbps	2x2 MMO 2.4 GHz: 300Mbps
Recommended Concurrent Users Per Radio	30	30	30	30
SSID Per Radio	16	16	16	16
Transmit Power	2412 – 2472 MHz: 24dBm 5180 – 5825 MHz: 21dBm	2412 – 2472 MHz: 25dBm 5180 – 5825 MHz: 17dBm	2412 – 2472 MHz: 17dBm 5180 – 5825 MHz: 16dBm	2412 – 2472 MHz: 25dBm
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 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
Enclosure	Plenum-rated, Indoor Plastic	Ruggedized Metal	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	0.37 (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)		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.)	15W (max.)	15W (max.)
Operating Temperature	-5° – 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

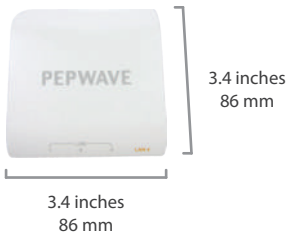


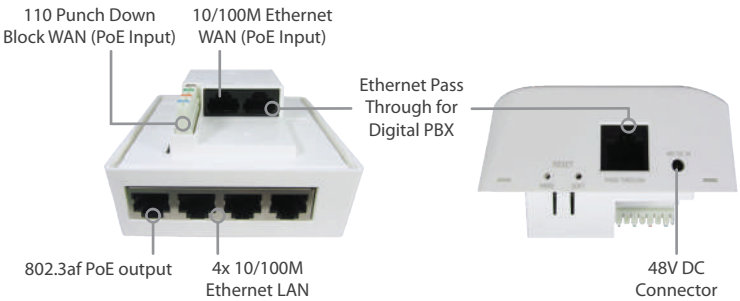
AP One 300M



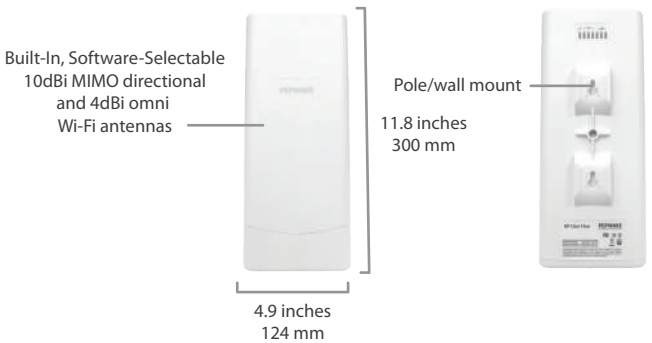
AP One InWall (US)

AP One InWall (International)

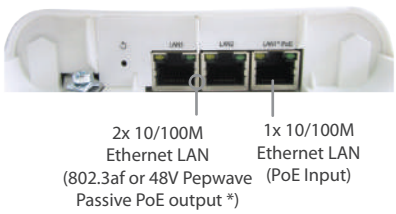


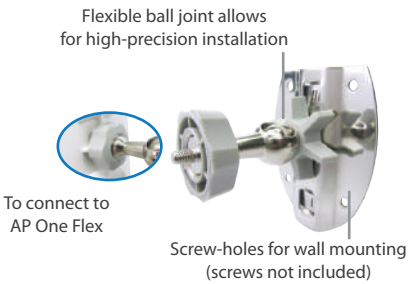


AP One Flex 300M/600M



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





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

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