

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 Rugged 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



* 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 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

Applications

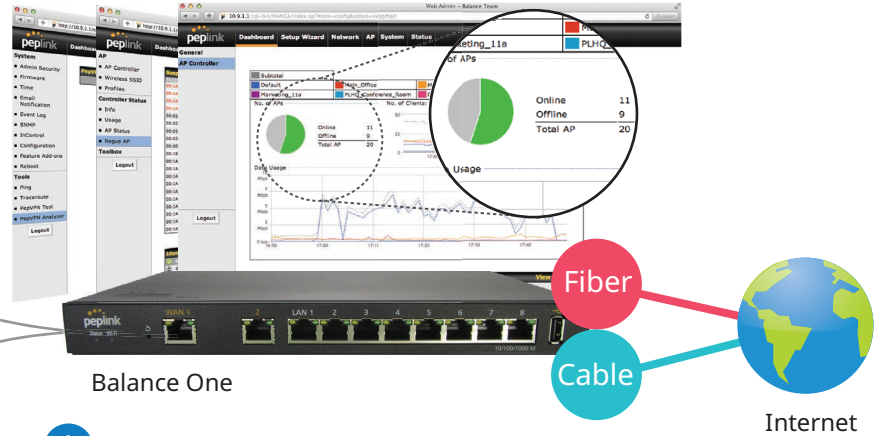
For SMBs – Setup, Manage, and Monitor Office Wi-Fi from Your Peplink Balance/MAX



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



- 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.

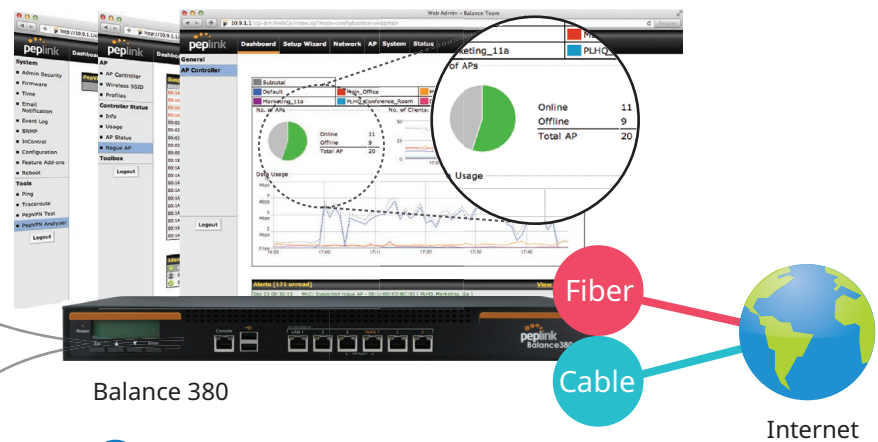


- 1 Provision AP One access points with the Balance One's built-in **AP Controller**.

For Hospitality – Offer Guest Hotspots Complete with Captive Portals



- 3 AP One Flex can deliver guest Wi-Fi while connecting 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.



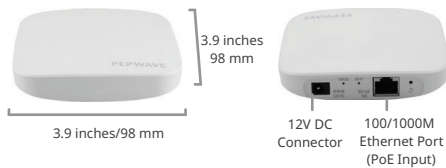
- 1 Setup custom portal and T&C pages, as well as optional time- or usage-based quotas you can monitor using the Balance 380's intuitive interface.
- 2 Guests connect to your Wi-Fi hotspot, accept T&C on your captive portal, and start surfing.

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

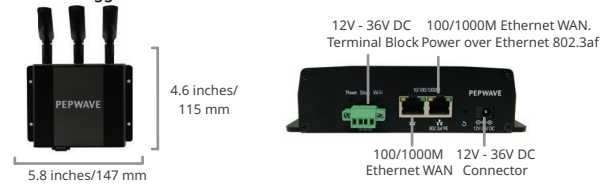
Specifications

| | 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 | Simultaneous 802.11ac wave 2 /ac/a/n and 802.11b/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 wave 2 /ac/a/n and 802.11b/g/n |
| Data Rates | 2x2 MU-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 MU-MIMO 2.4 GHz: 300Mbps 5 GHz: 866Mbps |
| Recommended Concurrent Users Per Radio SSID Per Radio | 60 | 60 | 60 | 60 | 60 |
| Transmit Power | 2412 – 2472 MHz: 22dBm 5180 – 5825 MHz: 23dBm | 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: 20dBm 5180 - 5825 MHz: 21dBm |
| Included Antenna | Built-In Omni Antenna Antenna gain: 2.2dBi for 2.4GHz, 3dBi 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: 9dBi for 2.4GHz, 10dBi for 5GHz |
| Antenna Connector | N/A | 3x RP-SMA Connectors | N/A | N/A | 2x RP-SMA Connectors |
| 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 / 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 | 802.3at PoE+ (56V PEPWAVE Passive PoE Input is Needed for full 1x 802.3at PoE+ LAN Output*) |
| Power Consumption | 12W (max.) | 13W (max.) | 13W (max.) | 15W (max.) | 22W (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 - 131°F -40 - 55°C |
| Humidity | 15% – 95% (non-condensing) | | | | |
| Certifications | FCC, CE, RoHS | | | | |
| Warranty | 1-Year Limited Warranty | | | | |
| Package Content | AP One AC Mini, 12V2A Power Supply (ACW-601), 1x Mounting Bracket | AP One Rugged, 12V2A Power Supply (ACW-601), 3x Wi-Fi Dual Band Antenna (ACW-341) | AP One Enterprise, 1x Mounting Bracket | AP One In-Wall, Wall mount set | AP One Flex, 2 x Plastic Cable Tie |

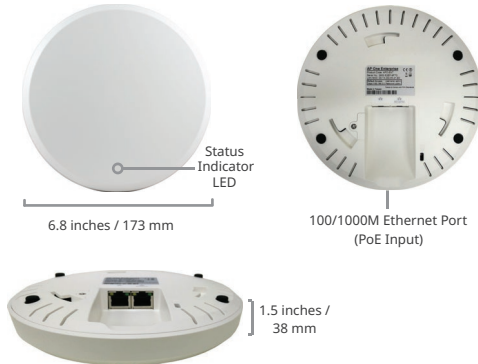
AP One AC Mini



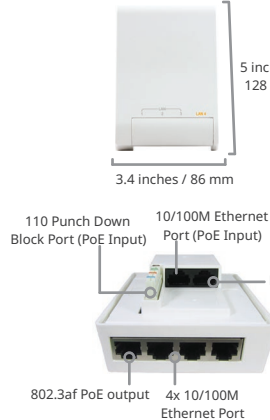
AP One Rugged



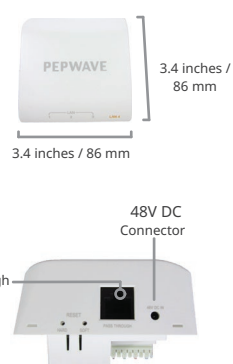
AP One Enterprise



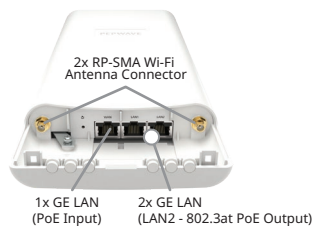
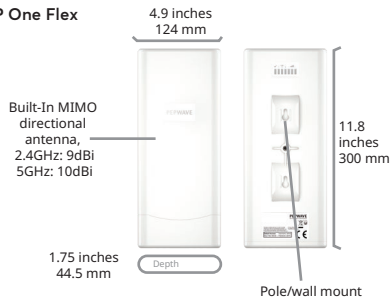
AP One InWall (US)



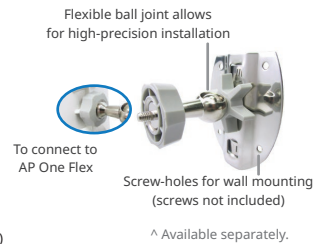
AP One InWall (International)



AP One Flex



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



Product Ordering Information

Accessories for AP One Flex

| 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 |