

Flex AP

Our Most Versatile Outdoor AP Yet

PEPWAVE
Broadband Possibilities



Featuring 802.11n 2x2 Wi-Fi with software selectable, embedded directional and omni antennas, options of 5GHz Wi-Fi support, dual embedded world-mode 3G, or single 4G LTE modem, plus dual PoE output ports and an array of easy and cost-effective datacenter-based or cloud management options, the Flex AP outdoor access point provides an unprecedented level of versatility and power in a compact, rugged package that fits almost anywhere and stands up to almost anything.

World's First Software-Selectable Antennas

The Flex AP is first in the world to have software-selectable, embedded directional MIMO and omni MIMO antennas. Whether users need point-to-point performance or 360-degree coverage, the Flex AP has them covered, without extra cost or equipment.

Power up to Two Devices from a Single Source.

The Flex AP includes two 802.3af/passive PoE outputs, so one electrical connection can power the Flex AP and up to two 802.3af-enabled devices, including surveillance cameras and other peripherals. You can even power two additional Flex AP units on a single power source, reducing cabling hassles and deployment complexity.

Reliability in Extreme Environments.

The Flex AP is designed and manufactured with the strictest standards. It is rated to operate in almost any environment imaginable. It is just as comfortable working in desert, marine, and arctic environments as it is in the office, making it the ultimate go-anywhere AP.

Connect Worldwide without External Modems.

Pepwave's Flex AP features dual embedded world-mode 3G or a single 4G LTE modem for instant connectivity wherever you network. Connect using a single modem or both at the same time and take advantage of the extra speed and reliability offered by our SpeedFusion™ Bandwidth Bonding technology, even when using connections from two different carriers.

Central Management. Anytime. Anywhere.

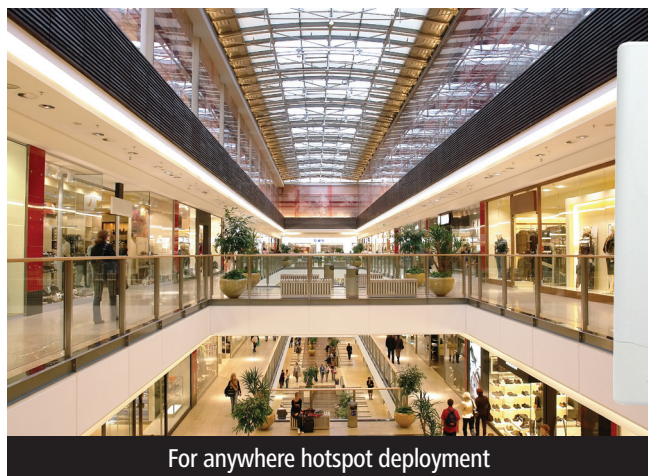
The Flex AP offers a variety of convenient and cost-effective centralized management options to keep you in control of your outdoor deployment at all times. Whether you choose Pepwave's FusionHub Controller, or our InControl cloud-based control interface, you get complete and intuitive device control that follows you everywhere.

Antenna Flexibility – Software Selectable, Embedded Directional and Omni Antennas.

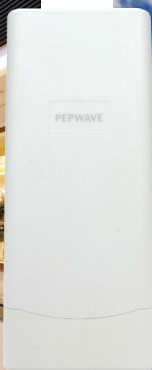
4dBi MIMO Omni Antenna

OR

10dBi MIMO Directional Antenna



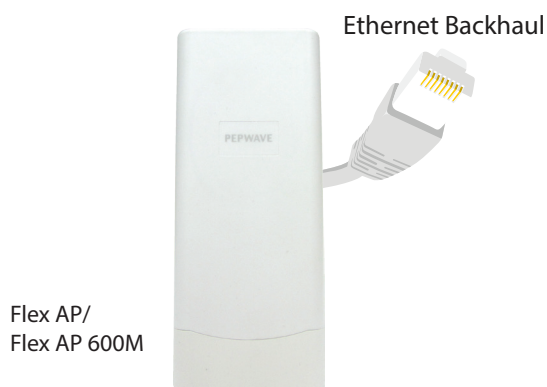
For anywhere hotspot deployment



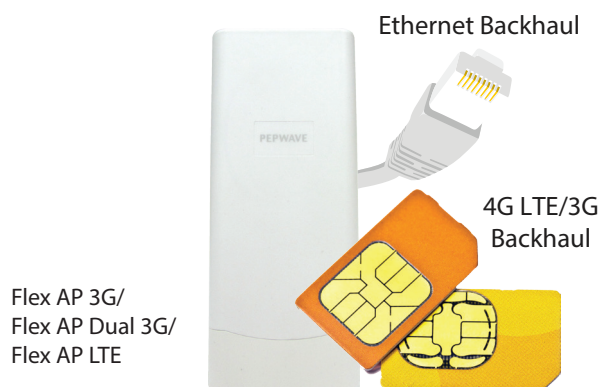
For purpose-built, long-distance wireless delivery

The Flex AP is the first AP with embedded, software-selectable directional MIMO and omni MIMO antennas. Whether users need point-to-point performance or 360-degree coverage, the Flex AP has them covered, without extra cost or equipment.

Backhaul Flexibility – Connect Worldwide without Wires.



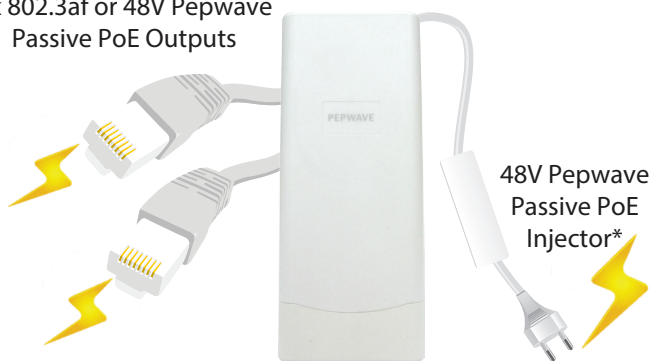
OR



Available with dual embedded 3G world-mode modems or a single embedded 4G LTE modem, the Flex AP gets users online wherever they work. 3G users can even use both modems at the same time with SpeedFusion™ bonding, boosting both speed and reliability, even when using connections from two different carriers.

PoE Flexibility – Power up to Two Devices from a Single Source.

2x 802.3af or 48V Pepwave
Passive PoE Outputs



OR



With 48V Pepwave Passive PoE Injector*, Flex AP is capable of powering up to two 802.3af/48V Pepwave passive PoE outputs, so one electrical connection can power the Flex AP and up to two 802.3af/48V Pepwave passive PoE-enabled devices, including surveillance cameras and other peripherals. You can even power two additional Flex AP units on a single power source, reducing cabling hassles and deployment complexity.

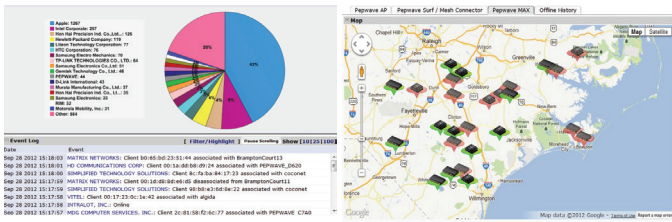
www.4gon.co.uk info@4gon.co.uk Tel: +44 (0)1245 808295 Fax: +44 (0)1245 808299

*Available separately.

Management Flexibility – Central Management. Anytime. Anywhere.

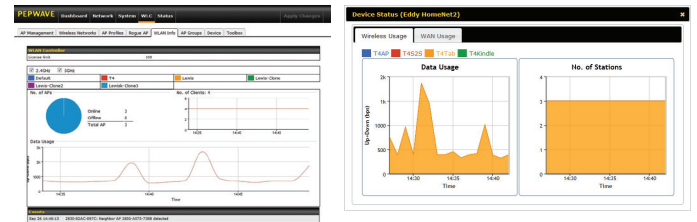
InControl

Setup. Manage. Report.



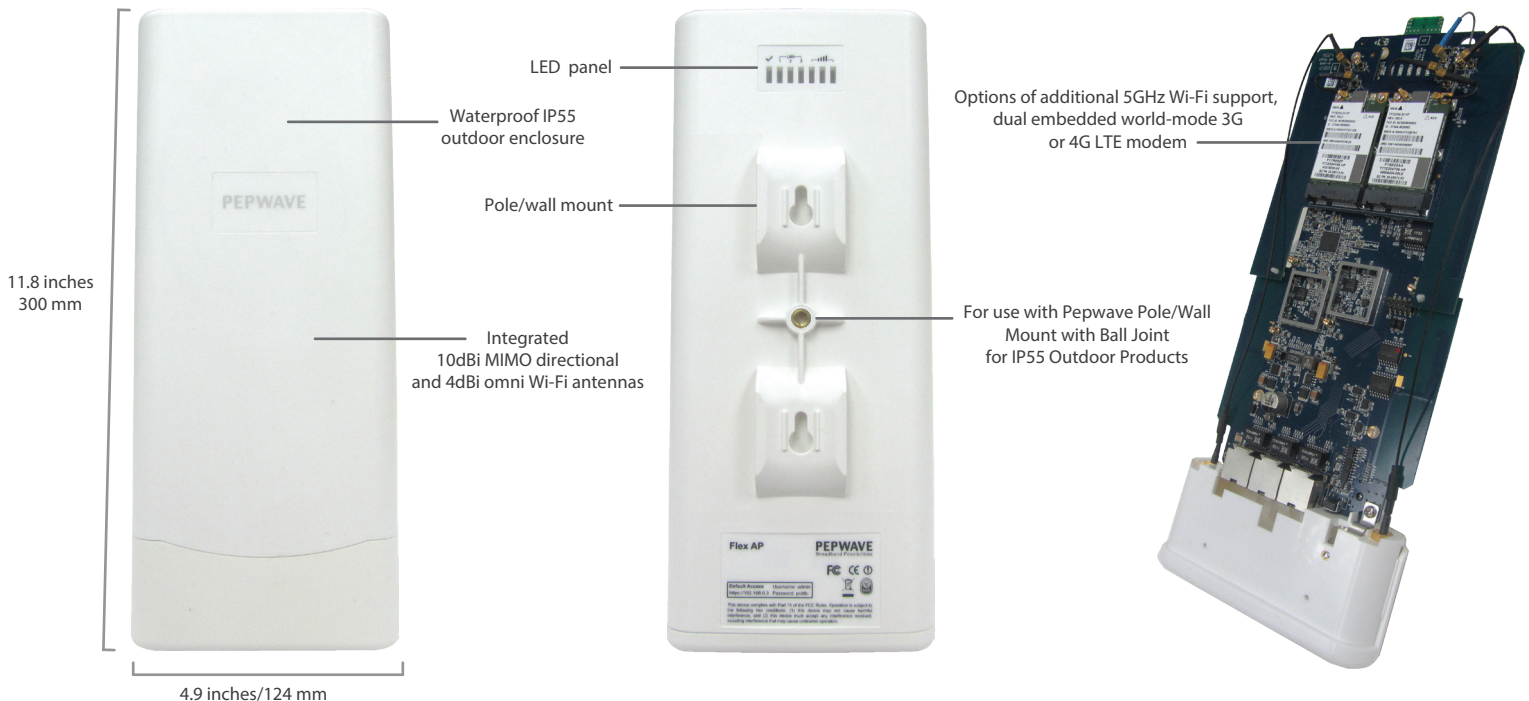
FusionHub

Virtual Machine-Based Controller

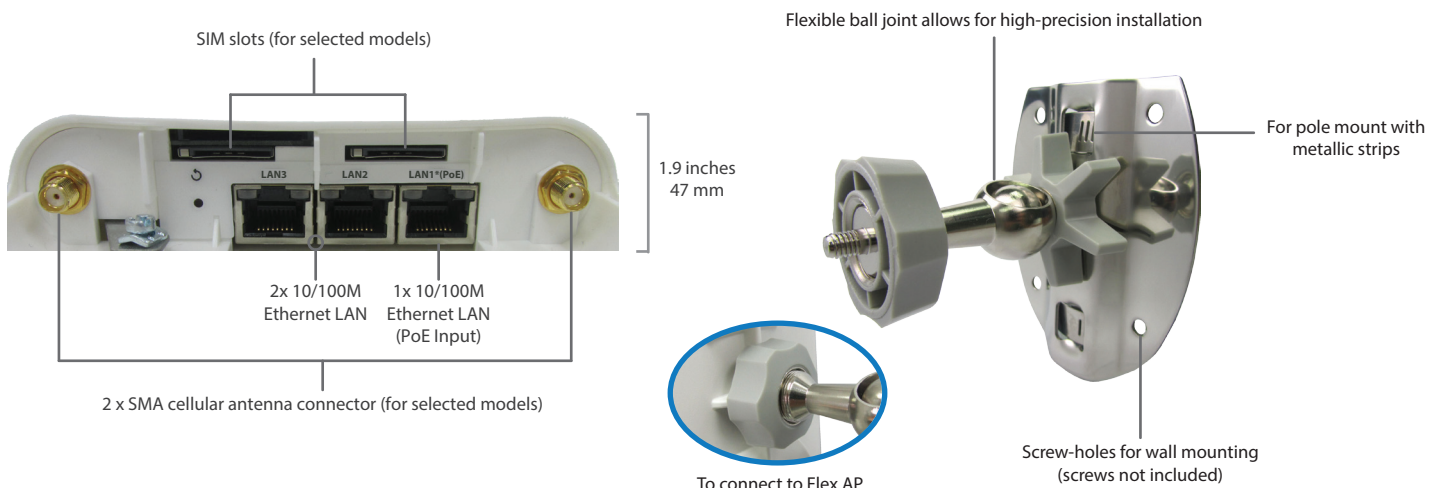


The Flex AP offers a variety of convenient and cost-effective centralized management options to keep you in control of your outdoor deployment at all times. Whether you choose Pepwave's FusionHub Controller, or our InControl cloud-based control interface, you get complete and intuitive device control that follows you everywhere.

Hardware Specifications



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



www.4Gon.co.uk info@4gon.co.uk Tel: +44 (0)1245 808295 Fax: +44 (0)1245 808299

*Available separately.

Specifications

	Flex AP	Flex AP 600M	Flex AP 3G	Flex AP Dual 3G	Flex AP LTE
Product Code	FLX-GN	FLX-AGN	FLX-GN-3G	FLX-GN-3G2	FLX-LTE-E
WAN Interface	1x 10/100M Ethernet Port		1x Embedded World-Mode 3G Modem 1x 10/100M Ethernet Port (Either as WAN or LAN)	2x Embedded World-Mode 3G Modems 1x 10/100M Ethernet Port (Either as WAN or LAN)	1x Embedded 4G LTE Modem 1x 10/100M Ethernet Port (Either as WAN or LAN)
LAN Interface	802.11 b/g/n 300Mbps 2x 10/100M Ethernet Ports with 802.3af or Pepwave Passive PoE Output	802.11 a/b/g/n 600Mbps 2x 10/100M Ethernet Ports with 802.3af or Pepwave Passive PoE Output	802.11 b/g/n 300Mbps 2x 10/100M Ethernet Ports with 802.3af or Pepwave Passive PoE Output		
Wi-Fi Antenna	Switchable, Integrated 10dBi MIMO Directional (75° Horizontal x 35° Vertical Beamwidths) and 4dBi MIMO Omni Antennas				
Cellular Antenna Connector	N/A		2x SMA Cellular Antenna Connectors		
Power Input	Pepwave Passive PoE: 12V – 48V DC (48V Pepwave Passive PoE Input is Needed for 802.3af or Pepwave Passive PoE Output)				
Power Consumption	15W (max.)	25W (max.)	20W (max.)	25W (max.)	25W (max.)
Enclosure	Waterproof IP55 Outdoor Enclosure				
Dimensions	11.8 x 4.9 x 1.9 inches/300 x 124 x 47 mm				
Weight	1.15 pounds/520 grams				
Operating Temperature	-4° – 149°F/-20° – 65°C				
Humidity	15% - 95% (non-condensing)				
Certifications	FCC, CE, RoHS				
Warranty	1-Year Limited Warranty				

Product Ordering Information

Flex AP

Product Code	Product Name	Description
FLX-GN	Flex AP	Campact and light-weight, carrier-grade 802.11 b/g/n 300Mbps access point in waterproof IP55 outdoor enclosure.
FLX-AGN	Flex AP 600M	Campact and light-weight , carrier-grade 802.11 b/g/n and a/n 600Mbps access point in waterproof IP55 outdoor enclosure.
FLX-GN-3G	Flex AP 3G	Campact and light-weight , carrier-grade 802.11 b/g/n 300Mbps access point with 3G uplink in waterproof IP55 outdoor enclosure.
FLX-GN-3G2	Flex AP Dual 3G	Campact and light-weight , carrier-grade 802.11 b/g/n 300Mbps access point with dual 3G uplink in waterproof IP55 outdoor enclosure.
FLX-LTE-E	Flex AP LTE	Campact and light-weight , carrier-grade 802.11 b/g/n 300Mbps access point with 4G LTE uplink in waterproof IP55 outdoor enclosure.

Add-on Feature

Product Code	Feature Pack	Description
ACW-109	PoE Kit for IP55 Outdoor Products	Include 48V Pepwave Passive PoE Injector and PoE license. Enable 802.3af/48V Pepwave passive PoE output.

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
- IGMP Snooping/Multicast Enhancement

AP Security

- Open, WEP
- 802.1x with Dynamic WEP
- WPA-PSK/RADIUS
- WPA2-PSK/RADIUS

Complete VPN Solution

- PepVPN/SpeedFusion*
- Site-to-Site VPN
- Bandwidth Aggregation*
- Hot Failover*
- 256-bit AES Encryption
- Pre-shared Key Authentication
- Dynamic Routing
- L2TP

Captive Portal

- By InControl Cloud Management
- By FusionHub Controller
- By Peplink Balance WLAN Controller

Device Management

Web Administrative Interface
InControl Cloud Management
FusionHub Controller
Peplink Balance WLAN Controller
SNMP v1, v2c and v3

Certification

FCC, CE, RoHS

*Available on selected models.

United States

T: +1 (650) 450 9669

E: sales@pepwave.com

www.pepwave.com

©Pepwave LLC. All rights reserved. All trademarks, the Pepwave logo and the S logo are trademarks of Pepwave LLC. All other trademarks and product names are trademarks or registered trademarks of their respective holders. All specifications are subject to change without notice.

PEPWAVE
01245 808299
Innovative Possibilities