

Pepwave PolePoint

Features

True Enterprise Grade Features

The PolePoint supports up to **16 SSIDs, VLAN Tagging, and L2 Tunneling** ensure it will work with your existing network configuration. Plus, with **AutoMesh**, you can extend these features to areas where Ethernet cables are not available.



Extreme Range, Extreme Flexibility

Pepwave has designed PolePoint from the ground up to meet the needs of the most demanding carrier and business networks. Our **TruePower RF engineering** gives you radios that perform more consistently than other high power APs, and our many years of working with ISPs has created some of the most flexible software features in the industry.

Advanced Portal Options

Our flexible captive portal options give you the ability to create a **customized portal page** to make professional WISP and Hospitality networks. We provide you with the authentication scripts for you to embed and host on your own infrastructure. Perfect for location based advertising and advanced hotspot billing. You can even deploy APs on different internet connections and redirect users to a consistent portal page for a seamless user experience.



Centralized Management and Monitoring

With InControl, Pepwave's **hosted management** suite, you can easily control large deployments of PolePoint. Even when you have units deployed in several different geographic areas, InControl will keep you aware of their status and allow you to change settings on the fly.



PolePoint – Indoor Series

The Pepwave PolePoint Indoor Series fulfills Enterprise and Service Providers' requirements for versatile, secure, and powerful Wi-Fi Base stations.

The PolePoint Indoor Series provides the functionality and power capabilities to serve as Citywide Wi-Fi Access Points or as high-power Access Points for large hotspots where the power of typical consumer-grade devices simply does not suffice.



Applications

Industrial and Commercial Networking

Standard enterprise gear just doesn't cut it in industrial environments. Extreme temperatures, moisture, and vibrations can render other vendors gear useless quickly. PolePoint is designed to deliver top performance in the most demanding environments, ensuring your workers are productive and not dealing with frequent downtime because of equipment failures.



Public Safety and Security Networks

Security and extreme survivability are a must when providing advanced communications to emergency personnel. PolePoint gives you the best of both worlds, without breaking your technology budget. With PolePoint you get the features and reliability you need, and you have the choice of alternative frequencies for truly advanced networks.

Large Scale Hotspot Deployments

PolePoint's hotspot features allow you to create completely customized portals for large scale hotspot networks. Our unique approach allows you to deploy APs on any internet connection anywhere in the world, while still redirecting your customers to a consistent portal screen. You no longer need expensive controllers or have to be restricted to working on the same LAN network.




PolePoint – Outdoor Series




The Pepwave PolePoint Outdoor Series provides the additional benefit of all-weather toughness along with the user-friendliness, versatility, and power of their indoor counterparts.

Each model in the Outdoor Series is housed in a waterproof die-cast aluminum enclosure rated at NEMA 6 (IP 67), and the operating temperature ranges from -40 to 65°C (-40 to 149°F).



Specifications

Model	PolePoint 200	PolePoint 400	PolePoint 430	PolePoint 400-X	PolePoint 235-DX	
Product Code	PPW-209	PPW-400	PPW-430	PPW-405	PPW-420	
Wi-Fi AP Mode	Functionality  Bridge / NAT Mode Wi-Fi Specification					
WAN	1 Fast Ethernet Port					
LAN	802.11 b/g (16 SSID)				802.11 a (16 SSID)	
Operating Frequency	2412-2462MHz	2412-2462MHz	2412-2462MHz	2412-2462MHz	5180-5825MHz	
Transmit Power 802.11b	200mW 23dBm@1Mbps 23dBm@2Mbps 23dBm@5.5Mbps 23dBm@11Mbps (+/- 1.0dB)	400mW 26dBm@1Mbps 26dBm@2Mbps 26dBm@5.5Mbps 26dBm@11Mbps (+/- 1.0dB)	400mW 26dBm@1Mbps 26dBm@2Mbps 26dBm@5.5Mbps 26dBm@11Mbps (+/- 1.0dB)	400mW 26dBm@1Mbps 26dBm@2Mbps 26dBm@5.5Mbps 26dBm@11Mbps (+/- 1.0dB)	Transmit Power 802.11a	200mW 22.5dBm@6Mbps 22.5dBm@9Mbps 22.5dBm@12Mbps 22.5dBm@18Mbps 22.5dBm@24Mbps 21.5dBm@36Mbps 19dBm@48Mbps 18dBm@54Mbps (+/- 1.0dB)
Transmit Power 802.11g OFDM	23dBm@6Mbps 23dBm@9Mbps 23dBm@12Mbps 23dBm@18Mbps 23dBm@24Mbps 23dBm@36Mbps 21dBm@48Mbps 20dBm@54Mbps (+/- 1.0dB)	26dBm@6Mbps 26dBm@9Mbps 26dBm@12Mbps 26dBm@18Mbps 26dBm@24Mbps 24dBm@36Mbps 22dBm@48Mbps 21dBm@54Mbps (+/- 1.0dB)	26dBm@6Mbps 26dBm@9Mbps 26dBm@12Mbps 26dBm@18Mbps 26dBm@24Mbps 24dBm@36Mbps 22dBm@48Mbps 21dBm@54Mbps (+/- 1.0dB)	26dBm@6Mbps 26dBm@9Mbps 26dBm@12Mbps 26dBm@18Mbps 26dBm@24Mbps 24dBm@36Mbps 22dBm@48Mbps 21dBm@54Mbps (+/- 1.0dB)		Receive Sensitivity 802.11a
Receive Sensitivity 802.11b	-96dBm@1Mbps -95dBm@2Mbps -94dBm@5.5Mbps -92dBm@11Mbps (+/- 1.0dB)	-97dBm@1Mbps -96dBm@2Mbps -95dBm@5.5Mbps -93dBm@11Mbps (+/- 1.0dB)	-97dBm@1Mbps -96dBm@2Mbps -95dBm@5.5Mbps -93dBm@11Mbps (+/- 1.0dB)	-97dBm@1Mbps -96dBm@2Mbps -95dBm@5.5Mbps -93dBm@11Mbps (+/- 1.0dB)	Receive Sensitivity 802.11a	
Receive Sensitivity 802.11g OFDM	-94dBm@6Mbps -92dBm@9Mbps -91dBm@12Mbps -90dBm@18Mbps -87dBm@24Mbps -82dBm@36Mbps -76dBm@48Mbps -74dBm@54Mbps (+/- 1.0dB)	-94dBm@6Mbps -93dBm@9Mbps -91dBm@12Mbps -90dBm@18Mbps -87dBm@24Mbps -83dBm@36Mbps -77dBm@48Mbps -75dBm@54Mbps (+/- 1.0dB)	-94dBm@6Mbps -93dBm@9Mbps -91dBm@12Mbps -90dBm@18Mbps -87dBm@24Mbps -83dBm@36Mbps -77dBm@48Mbps -75dBm@54Mbps (+/- 1.0dB)	-94dBm@6Mbps -93dBm@9Mbps -91dBm@12Mbps -90dBm@18Mbps -87dBm@24Mbps -83dBm@36Mbps -77dBm@48Mbps -75dBm@54Mbps (+/- 1.0dB)		Receive Sensitivity 802.11a
Security	802.1x, 64/128-bit WEP, WPA, WPA2, 802.11i					

Model	PolePoint 200	PolePoint 400	PolePoint 430	PolePoint 400-X	PolePoint 235-DX
Hardware					
Antenna	5dBi Omni Antenna			Not Included	Built-in 15dBi Long Range Directional Antenna
Antenna Connector	RP-SMA Connector			2 x Female N-Type Connector	Female N-Type Connector
Enclosure	 Ruggedized Metal Enclosure			 Waterproof (IP67) Outdoor Metal Enclosure	 Waterproof (IP67) Outdoor Plastic Enclosure
Dimensions	147W x 115D x 40H mm. 5.8W x 4.6D x 1.6H in.			273W x 223D x 66H mm. 10.8W x 8.8D x 2.6H in.	295W x 205D x 68H mm. 11.7W x 8.1D x 2.7H in.
Weight	420 g. / 0.93 lb.			2.2 kg. / 4.85 lb.	0.875 kg. / 1.93 lb.
Operational Specifications					
Power Consumption (Max.)	5W	7W	7W	7W	7W
Power Input	AC Adapter: AC Input 100 to 240V, DC Output 12V Power over Ethernet 802.3af (Injector Not Included)	AC Adapter: AC Input 100 to 240V, DC Output 12V Pepwave Passive PoE Injector: DC 12V	AC Adapter: AC Input 100 to 240V, DC Output 12V Power over Ethernet 802.3af (Injector Not Included)	Power over Ethernet 802.3af (Injector Not Included)	Power over Ethernet 802.3af (Injector Not Included)
Operating Temperature	-40 - 65°C / -40 - 149°F				
Humidity	15 to 95%				
Misc.					
Certifications	CE, FCC, RoHS				
Warranty	One-Year Limited Warranty				
Package Content	<ul style="list-style-type: none"> 12V Power Supply 5dBi Omni Antenna 	<ul style="list-style-type: none"> 12V Power Supply 5dBi Omni Antenna Pepwave Passive PoE Injector 	<ul style="list-style-type: none"> 12V Power Supply 5dBi Omni Antenna 	<ul style="list-style-type: none"> Mounting Kit Installation Guide 	<ul style="list-style-type: none"> Mounting Kit Installation Guide

About Pepwave

Pepwave is the proven market leader in delivering specialized wireless solutions for industrial networking, wireless mobility, service providers, and professional hotspots. As an innovator of wireless technology solutions, Pepwave operates globally in cooperation with distributors, system integrators, ODM partners, and strategic alliances.

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Sales

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Support

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Business Development and Partnerships

<http://www.pepwave.com/partners/channel-partner-program/>

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