

Pepwave Mesh Connector

Features

Vendor Neutral Repeater, Interoperability Certified

The Pepwave Mesh Connector allows you to seamlessly extend the coverage of an existing Wi-Fi network, without messy configurations or having to run cables! Simply place Mesh Connector in a location where coverage is poor, and configure it with your existing network settings. The Mesh Connector has been tested to work on Tropo, Cisco, and many other vendors mesh networks and APs.



Long Range Client Bridge

Mesh Connector can also be used to connect buildings and devices to far away Wi-Fi networks. You can expand Wi-Fi coverage and provide a fast Ethernet connection simultaneously with one centrally manageable device. Mesh Connector utilize our TruePower RF Engineering technology, giving you maximum power across all channels even the highest data rates. Consistent power translates into reliable links at distances where other radios fail.



Reliability in Extreme Environments

Both our indoor and outdoor models are designed and manufactured with the strictest standards. Mesh Connector is rated to operate in almost any environment imaginable. Whether you need service in an office, manufacturing facility, or outside in harsh desert, marine, or arctic climates; there is a Mesh Connector model for the job.



Mesh Connector – Indoor Series

The enterprise-grade Pepwave Mesh Connector Series of Wi-Fi repeaters seamlessly extend Mesh Wi-Fi to large-scale indoor areas. Enclosed in a rugged metallic case, Mesh Connector is capable of operating in a wide range of locations. With industry leading transmit power and outstanding reception capability, Mesh Connector guarantees the best service for enterprise customers and WISPs.





Fully Customizable Repeater

Mesh Connector allows you to repeat up to 3 different SSIDs, each with unique encryption settings. You can also independently control the amount of power used to connect to a Wi-Fi network, as well as the amount of power broadcast from the repeater. Mesh Connector has the intelligence and flexibility to meet almost any applications requirements.

Centralized Management and Monitoring

With InControl, Pepwave's hosted management suite, you can easily control large deployments of Mesh Connectors. Even when you have units in several different geographic areas, InControl will keep you aware of their status and allow you to change settings on the fly. InControl is the ultimate system to help you centrally Setup, Manage, and Report.



Extensive Frequency Options

Want to operate in the 4.9GHz Public Safety band, or looking for 5GHz models? We have high power models available in almost any frequency. Contact us for more details!

Mesh Connector – Outdoor Series

The Pepwave Mesh Connector Outdoor Series provide 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).



Applications

Connect IP Video Cameras for Wireless Surveillance

IP video surveillance is one of the most critical applications in wireless networking today. Mesh Connector gives you a way to deliver the fast performance and reliable connections security networks require. Other low cost devices just can't be trusted when dealing with your customers' security.



Connect Industrial and Municipal Service Devices

AMR, Traffic Control, SCADA, and more. So many devices today are leveraging IP technology to create efficiency never before possible. Take advantage of these technologies by plugging these sensors into Mesh Connector. You can easily deploy thousands of units to enable these smart municipal services.



Extend Coverage of an Existing Wi-Fi Network

Mesh Connector is uniquely designed to operate as a vendor neutral repeater. Since it has been tested to work with most major vendors Wi-Fi APs, you are no longer pay for expensive APs to boost new areas coverage. You can configure Mesh Connector and boost coverage within minutes!



Rapid Deployment Network for Disaster Recovery and Jobsite Networks

Emergency personnel rely on technology just as much as most companies do. When an Emergency arises, quick action must be taken to support advanced communications, allowing Emergency workers to be at their best. Mesh Connector makes rapid deployment and reliable performance a reality, without breaking your technology budget.

Connect Business Customers to Wi-Fi Internet Service




Mesh Connector is also an ideal long range client bridge; it allows you to quickly connect your top tier customers and deliver the reliability they expect. Since Mesh Connector is designed to work with the top vendors' equipment, you can expect trouble free integration into your network.

Bridge Remote Buildings to an Existing Network

Need to connect a remote building to your central network? Combine our Office Point and Mesh Connector to create an instant bridge between your central building and nearby locations. Our extensive RF engineering ensures you can get reliable speed and connectivity even in challenging environments.

Specifications

Model	Mesh Connector 200	Mesh Connector 400	Mesh Connector 400-X	Mesh Connector 235-DX
Product Code	MPW-211	MPW-400	MPW-401	MPW-419
	Functionality			
Wi-Fi Repeater Mode	✔			
	Bridge Mode			
	Wi-Fi Specification			
WAN	802.11 b/g			802.11a
LAN	802.11 b/g 1 Fast Ethernet Port			802.11a 1 Fast Ethernet Port
Operating Frequency	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)	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)	Transmit Power 802.11a 22.5dBm@6Mbps 22.5dBm@9Mbps 22.5dBm@12Mbps 22.5dBm@18Mbps 22.5dBm@24Mbps 21.5dBm@36Mbps 19dBm@48Mbps 18dBm@54Mbps (+/- 1.0dB)
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)	Receive Sensitivity 802.11a -92dBm @ 6Mbps -91dBm @ 9Mbps -90dBm @ 12Mbps -89dBm @ 18Mbps -87dBm @ 24Mbps -84dBm @ 36Mbps -79dBm @ 48Mbps -74dBm @ 54Mbps (+/- 1.0dB)
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)	Receive Sensitivity 802.11a -92dBm @ 6Mbps -91dBm @ 9Mbps -90dBm @ 12Mbps -89dBm @ 18Mbps -87dBm @ 24Mbps -84dBm @ 36Mbps -79dBm @ 48Mbps -74dBm @ 54Mbps (+/- 1.0dB)
Security	802.1x, 64/128-bit WEP, WPA, WPA2, 802.11i			

Model	Mesh Connector 200	Mesh Connector 400	Mesh Connector 400-X	Mesh Connector 235-DX
Hardware				
Antenna	5dBi Omni Antenna		Not Included	Built-in 15dBi Long Range Directional Antenna
ANT. Connector	RP-SMA 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
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	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"> 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

<http://www.pepwave.com/contact/sales/>

Support

<http://www.pepwave.com/contact/>

Business Development and Partnerships

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

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