









# Pepwave MAX Comparison

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	All-Purpose with Multiple USB		Business Rugged with Embedded Modem			Heavy Duty, Mission Critical Bandwidth Bonding			
Model	MAX On-The-Go	MAX 700	MAX BR1	MAX BR1 IP55	MAX BR2 IP55	MAX HD2	MAX HD2 IP67	MAX HD2 mini	MAX HD4
Cellular WAN									
Embedded 4G LTE/3G	○	○	1	1	2 <sup>*</sup>	2	2	2	4
Redundant SIM Slots	○	○	●	●	○	○	●	●	●
USB 4G LTE/3G WAN	4	4	○	○	○	1	○	1	1
WAN									
Ethernet WAN Ports	1	2	1	1	1	2	1	1	2
802.11b/g/n Wi-Fi as WAN	● <sup>+</sup>	●	●	●	●	●	●	○	●
802.11a/n Wi-Fi as WAN	● <sup>+</sup>	○	○	○	○	○	○	○	●
LAN									
Ethernet LAN Ports	1	4 (GbE)	2	2	2	4 (GbE)	1 (GbE)	2 (GbE)	8 (GbE)
802.11b/g/n Wi-Fi AP	● <sup>+</sup>	●	●	●	●	●	●	○	●
802.11a/n Wi-Fi AP	● <sup>+</sup>	○	○	○	○	○	○	○	●
Capacity									
Recommended Users <sup>1</sup>	1-25	1-50	1-25	1-25	1-25	1-50	1-50	1-50	50-500
Router Throughput <sup>2</sup>	100Mbps		100Mbps			100Mbps		200Mbps	300Mbps
VPN Functionality									
PepVPN	●	●	●	●	●	●	●	●	●
SpeedFusion Hot Failover	●	●	●	●	●	●	●	●	●
SpeedFusion Bandwidth Bonding	● <sup>^</sup>	●	○	○	●	●	●	●	●
Number of PepVPN/SpeedFusion Peers	2			2		2			
PepVPN/SpeedFusion Throughput (No Encryption)	40Mbps	60Mbps	40Mbps			60Mbps		100Mbps	150Mbps

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PepVPN/SpeedFusion Throughput (256-bit AES)	20Mbps	30Mbps		20Mbps		30Mbps	60Mbps	120Mbps	
Central Management									
InControl Cloud Management	●	●	●	●	●	●	●	●	●
GPS Fleet Management	○	○	●	● #	● #	●	○	●	●
AP Controller Functionality									
Manage Pepwave AP Series	○	●	○	○	○	●	●	●	●
Maximum Number of AP Support	○	10	○	○	○	10	10	10	10
Hardware Features									
Enclosure	Low-Profile, All-Purpose	Indoor Metal	Compact, Indoor Metal	Outdoor IP55 All-Weather		Indoor Metal	Outdoor IP67 All-Metal	Indoor Metal	Indoor Metal
PoE Output	○	○	○	Up To Two 802.3af or 48V Pepwave Passive PoE Outputs		○	○	Up To Three 802.3af or 24V Pepwave Passive PoE Outputs	Up to Eight 802.3af PoE Outputs
Terminal Block Power Connector for Mobile/Vehicular Deployment	○	●	●	○	○	●	○	●	●
Dimensions	1.2 x 4.3 x 4.3 inches 30 x 110 x 110 mm	1.6 x 10.2 x 5.7 inches 39.5 x 260 x 143 mm	1.6 x 5.8 x 5.0 inches 40 x 147 x 128 mm	11.8 x 4.9 x 1.9 inches 300 x 124 x 47 mm		1.6 x 10.2 x 5.7 inches 39.5 x 260 x 143 mm	9.0 x 12.2 x 2.6 inches 230 x 310 x 66 mm	1.6 x 5.0 x 5.8 inches 40 x 128 x 147 mm	1.9 x 6.9 x 11.5 inches 50 x 177 x 292 mm
Weight	0.43 pound 195 grams	2.65 pounds 1.2 kg	0.96 pound 435 grams	1.15 pounds 520 grams		2.65 pounds 1.2 kg	5.84 pounds 2.65 kg	0.96 pounds 435 grams	4.20 pounds 1.9 kg
Operations									
Power Input	Device: 10V – 24V DC, 2A AC Adapter: AC Input 100V – 240V / DC Output 12V, 2A	Device: 10V – 30V DC, 3A AC Adapter: AC Input 100V – 240V / DC Output 12V Terminal Block: 10V – 30V DC, 3A	Device: 10V – 30V DC, 2A AC Adapter: AC Input 100V – 240V / DC Output 12V Terminal Block: 10V – 30V DC, 2A	Pepwave Passive PoE: 12V – 48V DC, 2A (48V Pepwave Passive PoE Input is Needed for 802.3af or Pepwave Passive PoE Output)		Device: 10V – 30V DC, 3A AC Adapter: AC Input 100V – 240V / DC Output 12V Terminal Block: 10V – 30V DC, 3A	Device: 10V – 30V DC, 3A	Device: 12V – 48V DC AC Adapter: AC Input 100V – 240V, DC Output 12V or 48V Terminal Block: 12V –	Device: 12V – 48V DC AC Adapter: AC Input 100V – 240V, DC Output 12V

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								48V DC	
Power Consumption	9W (without modems) 20W (max.)	28W (max.)	Max.: 16W, Typical: 11W, Min.: 8W			25W (max.)	25W (max.)	15W (max.)	38W (max.)
Operating Temperature	-14° – 149°F -10° – 65°C	-40° – 149°F -40° – 65°C	-40° – 149°F -40° – 65°C			-40° – 149°F -40° – 65°C			
Humidity	15% – 95% (non-condensing)								
Certifications									
FCC, CE, RoHS	●	●	●	●	●	●	●	● <sup>+</sup>	● <sup>+</sup>
RF Port Lighting Immunity: ITU-T K.20 (+/- 1.5 kV)	○	●	○	●	●	●	●	○	○
Certifications – Motor Vehicle									
E-Mark	○	○	● <sup>+</sup>	○	○	○	○	○	○
Certifications – Rolling Stock									
Shock and Vibration Resistance: EN 61373:1999 IEC 61373:1999	○	●	●	○	○	●	●	○	○
EN 50155: Railway Applications - Electronic Equipment used on Rolling Stock	○	○	●	○	○	○	○	○	○
EN 61000: Electromagnetic Compatibility	○	○	●	○	○	○	○	○	○
Supporting	<div>     </div> <div>200+ USB Modems/SIM Cards from Worldwide Carriers</div>								
Warranty	1-Year Limited Warranty								

<sup>1</sup> Recommendation for sizing purposes only. No software restrictions applied.

<sup>2</sup> Router Throughput is based on Ethernet frame sizes of 1280 or 1518 bytes. Actual performance can vary across different networking environments.

<sup>+</sup> MAX BR2 IP55 supports two embedded 3G modems only.

<sup>+</sup> The MAX On-The-Go supports only one of 802.11b/g/n and 802.11a/n Wi-Fi at a time.

<sup>^</sup> Feature is available only on [MAX-OTG-U4-SF](#).

<sup>#</sup> GPS support requires [MAX-BR1-IP55-GPS](#).

<sup>”</sup> The HD2 mini terminal block also acts as a serial interface.

<sup>~</sup> Certification in progress.

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