

MAX cellular router

PEPWAVE
Broadband Possibilities

Load Balancing. Unbreakable VPN. Bandwidth Bonding.



MAX HD2



MAX HD4



MAX HD2 IP67

MAX BR2 IP55

Works With

verizon Sprint at&t T-Mobile

And worldwide 4G LTE/3G carriers

Able to combine up to six wireless connections into a turbocharged datapipe using SpeedFusion™ bonding, the MAX is more than fast: its unbreakable VPN provides continuous connectivity you can count on. Plus, you can add and remove connections on the fly, so the MAX is easily scalable, too. And speaking of easy, our intuitive cloud management with GPS makes anytime, anywhere administration a snap, giving you a low-hassle, high-performance solution that brings wired reliability to environments where no other solution can.



Multiple SIM Slots for Multiple Carriers

Redundant SIM slots with automatic switching for reliable network. You can set the MAX to automatically switch SIM cards when you're in danger of exceeding a data cap. It also allows you travel across borders without changing SIM cards manually. List of Supported Carriers: peplink.com/lte-networks/

SpeedFusion
Bonding Technology



SpeedFusion™-powered Unbreakable VPN

SpeedFusion technology continuously monitors all connections and switches between them as needed to create unbreakable VPN connections. In addition, SpeedFusion bonds all available bandwidth for uninterrupted and ultra-fast performance for real-time POS, video, VoIP, and other data-intensive networking.



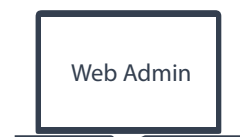
Cloud Management with GPS Fleet Tracking

Administering your mobile network and keeping tabs on connected devices has never been easier and more intuitive, thanks to our cloud management platform and built-in GPS tracking.



Certified for Toughness

In addition to rugged metal enclosure, the MAX has certifications on:
Shock and vibration resistance (EN 61373:1999, IEC 61373:1999)
Railway applications (EN 50155)
Electromagnetic Compatibility (EN 61000)



Clean and Intuitive Interface

The MAX has easy to use web interface. Try it out on our demo page: peplink.com/demo/max/

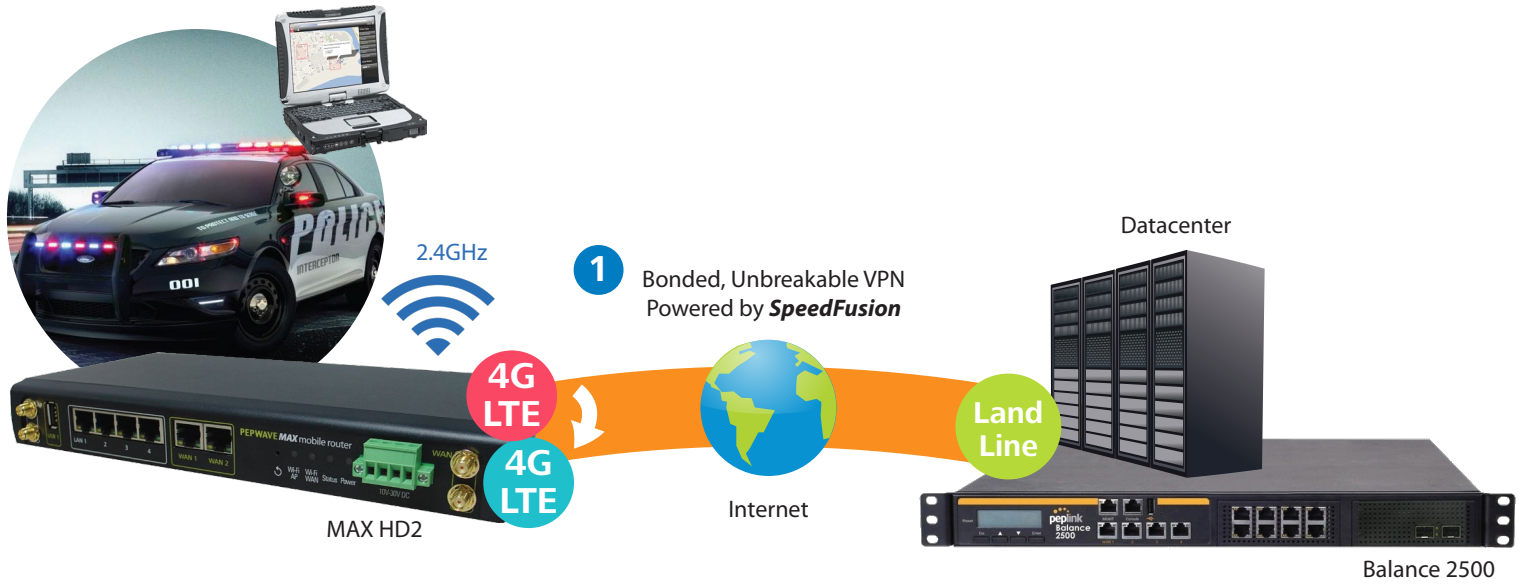
Model Comparison

	Single Cellular Embedded Modem					Multiple Cellular Embedded Modem				Universal Dongle		Outdoor	
	BR1 MAX-BR1-*	BR1 ENT MAX-BR1-ENT-*	BR1 Slim MAX-BR1-Slim-*	BR1 Pro MAX-BR1-Pro-*	Transit MAX-TST- MAX-TST-DUO-*	HD2 MAX-HD2-*	HD2 Mini MAX-HD2-mini-*	HD4 MAX-HD4-*	HD2/4 with MediaFast MAX-HD2-MFA- MAX-HD4-MFA-*	On-The-Go MAX-OTG-U4-*	700 MAS-GN2-R	BR1 IP55 MAX-BR1-**-IP55	HD2 IP67 MAX-HD2-**-IP67
Cellular WAN													
Embedded 4G LTE/3G	1	1	1	1	1/2	2	2	4	2/4	○	○	1 [^]	2
Redundant SIM Slots	●	●	●	○	●	○	●	●	●	○	○	○	●
USB 4G LTE/3G WAN	○	1	○	○	○	1	1	1	1	4	4	○	○
WAN													
Ethernet WAN Ports	1 (FE) ^g	1 (GE) ^g	1 (FE)	1 (GE)	1 (GE)	2 (GE)	1 (GE) ^g	2 (GE)	2 (GE)	1 (FE) ^g	2 (GE)	1 (FE) ^g	1 (GE) ^g
LAN													
Ethernet LAN Ports	2 (FE)	2 (GE)	1 (FE)	4 (GE)	1 (GE)	4 (GE)	2 (GE)	8 (GE)	8 (GE)	1 (FE)	4 (GE)	2 (FE)	1 (GE)
Wi-Fi Interface													
Radio 1	802.11b/g/n	○	802.11b/g/n	802.11b/g/n	802.11ac/a/b/g/n	802.11b/g/n	○	802.11a/b/g/n	802.11a/b/g/n	802.11a/b/g/n ⁺	802.11ac/a/b/g/n	802.11b/g/n	○
Radio 2	○	○	○	802.11b/g/n	802.11ac/a/b/g/n	802.11b/g/n	○	802.11a/b/g/n	802.11a/b/g/n	802.11a/b/g/n ⁺	802.11a/b/g/n	○	○
Wi-Fi Data Rates	2.4GHz:150Mbps	○	2.4GHz:150Mbps	2x2 MIMO, 2.4GHz: 300Mbps	2x2 MIMO, 2.4GHz: 300Mbps, 5GHz: 300Mbps	2x2 MIMO, 2.4GHz: 300Mbps	○	2x2 MIMO, 2.4GHz: 300Mbps, 5GHz: 300Mbps	2x2 MIMO, 2.4GHz: 300Mbps, 5GHz: 300Mbps	2.4GHz: 150Mbps/ 5GHz: 150Mbps	2x2 MIMO, ac: 5GHz: 866Mbps, b/g/n: 2.4GHz: 300Mbps, 5GHz:300Mbps	2x2 MIMO, 2.4GHz: 300Mbps	○
Simultaneous Dual-Band AP	○	○	○	○	●	○	○	●	●	○	●	○	○
Simultaneous Wi-Fi as WAN and AP	●	○	●	○	●	●	○	●	●	●	●	●	○
Capacity													
Router Throughput ¹	100Mbps	200Mbps	100Mbps	200Mbps	200Mbps	100Mbps	200Mbps	300Mbps	80Mbps	100Mbps	200Mbps	100Mbps	
Cache Throughput ²	○	○	○	○	○	○	○	○	150Mbps	○	○	○	○
Disk Drive	○	○	○	○	○	○	○	○	120GB SSD	○	○	○	○
VPN Functionality													
PepVPN & SpeedFusion Hot Failover	●	●	●	●	●	●	●	●	●	●	●	●	●
SpeedFusion WAN Smoothing	○	○	○	○	○ ^Δ	●	●	●	○ ^Δ	● [#]	●	○	●
SpeedFusion Bandwidth Bonding	○	○	○	○	○ ^Δ	●	●	●	○ ^Δ	○	●	○ ^Δ	●
PepVPN/SpeedFusion Peers	2	2/20 ^Δ	2	2		2/20 ^Δ	2/20 ^Δ		2	2			2/20 ^Δ
PepVPN/SpeedFusion Throughput (No Encryption)	40Mbps	100Mbps	40Mbps	100Mbps	100Mbps	60Mbps	100Mbps	150Mbps		40Mbps	100Mbps	40Mbps	60Mbps
PepVPN/SpeedFusion Throughput (256-bit AES)	20Mbps	60Mbps	20Mbps	60Mbps	60Mbps	30Mbps	60Mbps	120Mbps		20Mbps	60Mbps	20Mbps	30Mbps
Central Management													
InControl Cloud Management	●	●	●	●	●	●	●	●	●	●	●	●	●
GPS Fleet Management	●	●	●	●	●	●	●	●	●	○	○	○	○
AP Management													
AP Controller	○	○	○	○	●	●	●	●	●	○	●	○	●
Max. No. of AP Supported	○	○	○	○	10			10		○	10	○	10
Hardware Features													
Enclosure	Indoor Metal			Indoor Metal			Indoor Metal			Low-Profile, All-Purpose	Indoor Metal	Outdoor IP55 All-Weather	Outdoor IP67 Metal
Dimensions	1.6 x 5.8 x 5.0 in 40 x 147 x 128mm		1.1 x 3.8 x 4.8 in 26 x 97 x 120mm	1.6 x 10.2 x 5.7 in 40 x 260 x 143 mm	7.3 x 3.8 x 1.3 in 185 x 97 x 33.5 mm	1.6 x 10.2 x 5.7 in. 40 x 260 x 143 mm	1.6 x 5.8 x 5.0 in 40 x 147 x 128 mm	1.9 x 6.9 x 11.5 in 50 x 177 x 292 mm		1.2 x 4.3 x 4.3 in 30 x 110 x 110 mm	1.6 x 10.2 x 5.7 in 39.5 x 260 x 143 mm	11.8 x 4.9 x 1.9 in 300 x 124 x 47 mm	9.0 x 12.2 x 2.6 in 230 x 310 x 66 mm
Weight	0.96 pounds 435 grams		0.8 pound 350 grams	2.65 pounds 1.2 kg	1.3 pounds 590 grams	2.65 pounds 1.2 kg	0.96 pounds 435 grams	4.20 pounds 1.9 kg		0.43 pounds 195 grams	2.65 pounds 1.2 kg	1.15 pounds 520 grams	5.84 pounds 2.65 kg
Power Input	Device: 10V–30V DC ,2A AC Adapter: AC Input 100V–240V DC Output 12V,2A	Device: 12V–48V DC ,2A AC Adapter: AC Input 100V–240V DC Output 12V,2A	Micro USB: 5V 2A	Device: 10V–30V DC ,3A AC Adapter: AC Input 100V-240V DC Output 12V,3A	Device: 12V–48V 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,3A	Device: 12V – 48V DC, 2A AC Adapter: AC Input 100V – 240V DC Output 12V,2A or 48V	Device: 12V – 48V DC, 4A AC Adapter: AC Input 100V – 240V DC Output 12V,4A or 48V		Device: 10V–24V DC,2A AC Adapter: AC Input:100V–240V DC Output 12V,2A	Device: 12V–48V DC,3A AC Adapter: AC Input 100V–240V DC Output 12V,3A	Pepwave Passive PoE Input: 12V–48V DC,2A	PoE 802.3at / ⁺ Device: 10V–30V DC,3A
Terminal Block	DC 10V - 30V, 2A	DC 12V - 48V, 2A	DC 10V - 30V, 2A	DC 10V - 30V, 3A	DC 10V - 30V, 2A	DC 10V - 30V, 3A	DC 12V – 48V, 2A	DC 12V – 48V, 4A		○	12V–48V DC,3A	○	○
Power Output	○	Up To Three 802.3af PoE Outputs*	○	○	○	○	Up To Three 802.3af/24V Pepwave Passive PoE Outputs*	Up to Eight 802.3af PoE Outputs*		○	Up to Four 802.3af PoE Outputs*	48V Pepwave Passive PoE Input is Needed for 802.3af/Pepwave Passive PoE Output*	○
Power Consumption	16W (max.)	16W (max.)	10W (max.)	25W (max.)	18W (max.)	25W (max.)	15W (max.)	38W (max.)		20W (max.)	25W (max.)	16W (max.)	25W (max.)
Operating Temperature	-40° – 149°F -40° – 65°C			-40° – 149°F -40° – 65°C			-40° – 149°F -40° – 65°C			14° – 149°F -10° – 65°C	-40° – 149°F -40° – 65°C	-40° – 149°F -40° – 65°C	
Humidity	15% – 95% (non-condensing)			15% – 95% (non-condensing)			15% – 95% (non-condensing)			15% – 95% (non-condensing)		15% – 95% (non-condensing)	
Certification													
FCC, CE, RoHS	●	●	●	●	●	●	●	●	●	●	●	●	●
RF Port Lighting Immunity: ITU-T K.20 (+/- 1.5 kV)	○	○	○	○	○	●	●	○	○	○	●	○	●
E-Mark	●	●	●	○	●	●	●	●	●	○	○	○	●
Shock and Vibration Resistance: EN 61373:1999 IEC 61373:1999	●	○	●	○	●	●	●	●	●	○	●	○	●
EN 50155: Railway Applications	●	○	●	○	●	●	●	●	●	○	○	○	○

^g Convertible into LAN port. ⁺ Support only one of 802.11b/g/n and 802.11a/n Wi-Fi at a time. ^ΔAvailable as Feature Upgrade [#]PoE kit is available separately. ^{*}Available on MAX-OTG-U4-SF. ¹ Router Throughput is based on Ethernet frame sizes of 1280 or 1518 bytes. Actual performance can vary across different networking environments. ² Cache Throughput refers to the speed of routing content from hard disk to LAN.

Applications

Public Safety – 24/7 Unbreakable IP Video Surveillance



2 In case of a WAN failure, **SpeedFusion** instantly and seamlessly switches traffic to another connection

3 **InControl²**
Setup. Manage. Report.

InControl 2 lets you customize captive portal, check vehicle speed, view cellular coverage, and play back route histories in real-time



Passenger Wi-Fi and Fleet Tracking



Broadcasting and Media



Construction Site and Temporary Office



Portable Video Surveillance



Large File Transfer & Fleet Tracking



Outdoor Video Surveillance