MBX

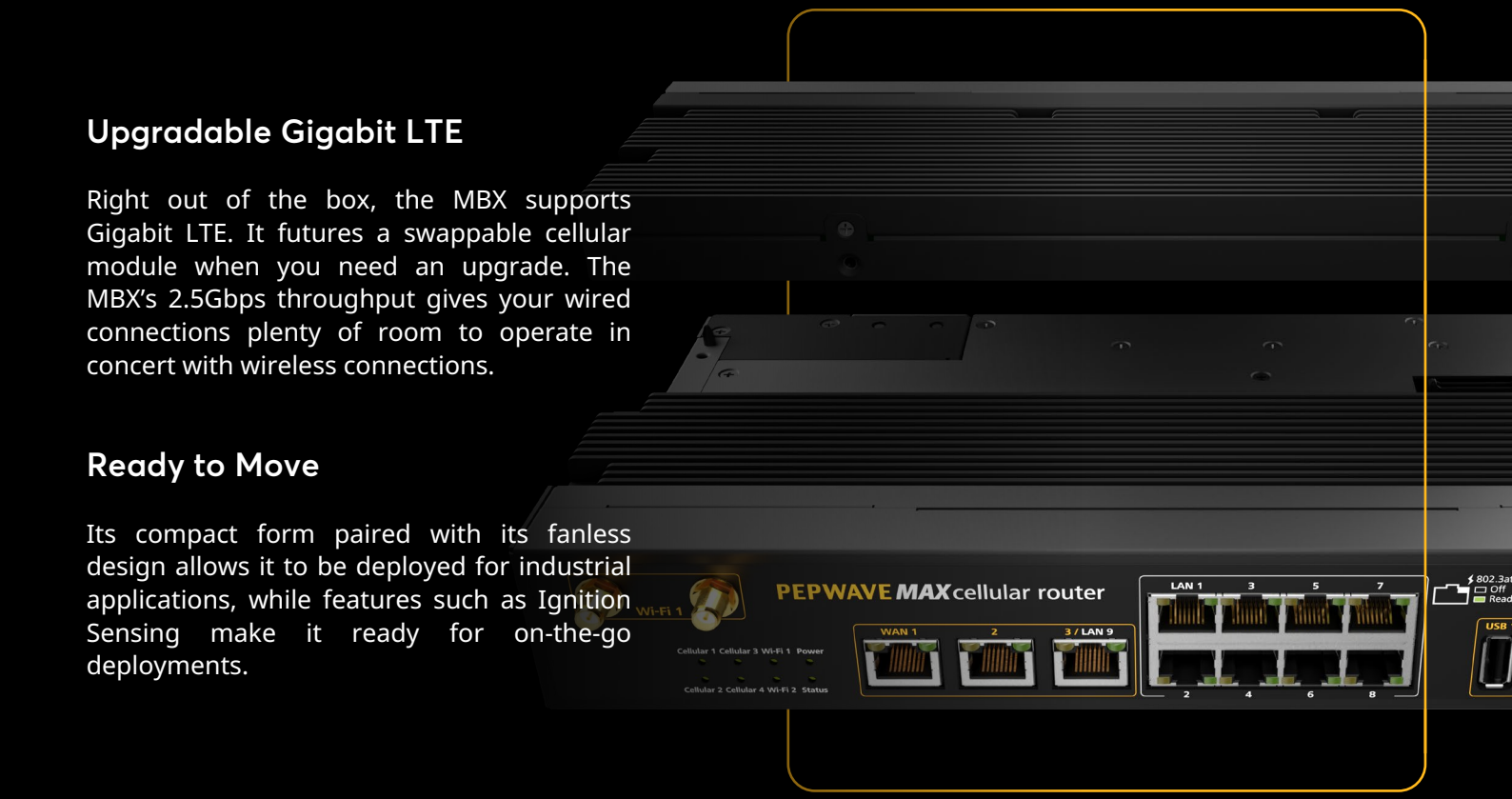
Multi Cellular Mobile Powerhouse

Upgradable Gigabit LTE

Right out of the box, the MBX supports Gigabit LTE. It futures a swappable cellular module when you need an upgrade. The MBX's 2.5Gbps throughput gives your wired connections plenty of room to operate in concert with wireless connections.

Ready to Move

Its compact form paired with its fanless design allows it to be deployed for industrial applications, while features such as Ignition Sensing make it ready for on-the-go deployments.





Multi Cellular Bandwidth Bonding

The MBX is a multi cellular mobile powerhouse with redundant SIM slots and multi-radio capabilities providing speed, reliability, and coverage by connecting to a maximum of 8 different cellular providers.

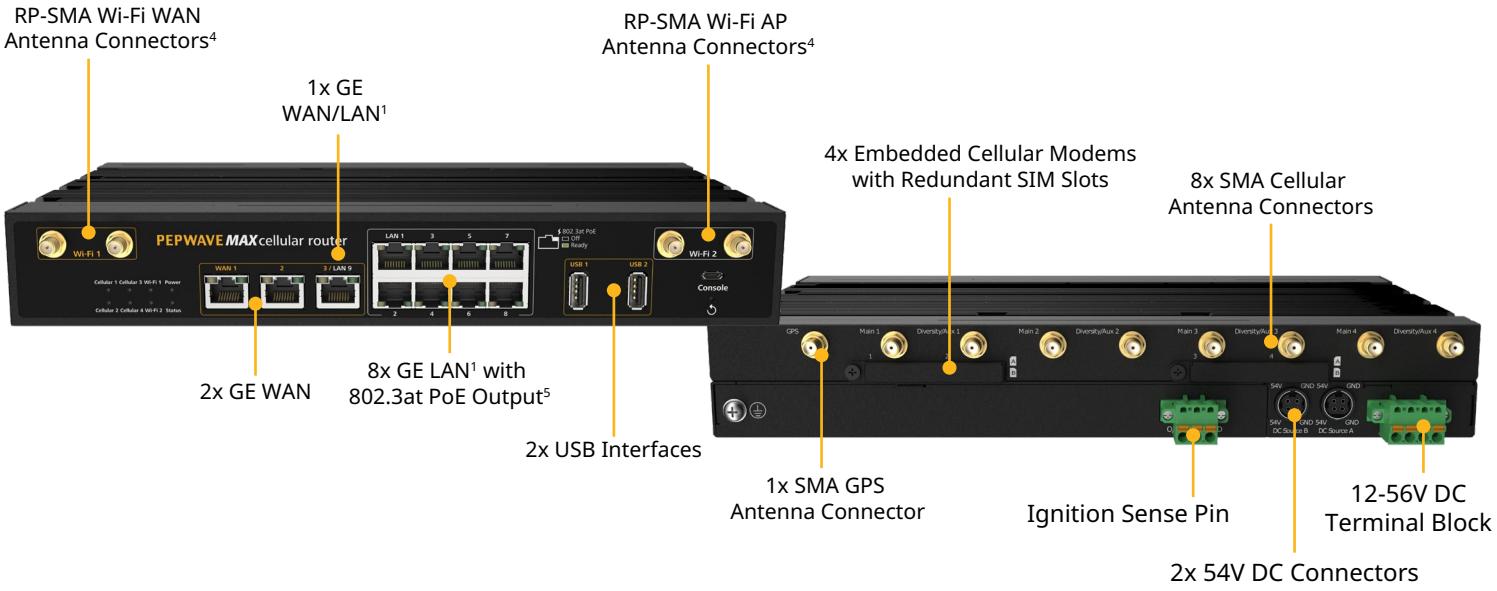
Compatible with SIM injector

Throw in the SIM Injector to add room for another 8 SIMs that can be managed up to 100m away. Eliminate spotty coverage with up to 16 different connectivity channels.

More info : click here

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HD4 MBX (CAT-12)



Specifications

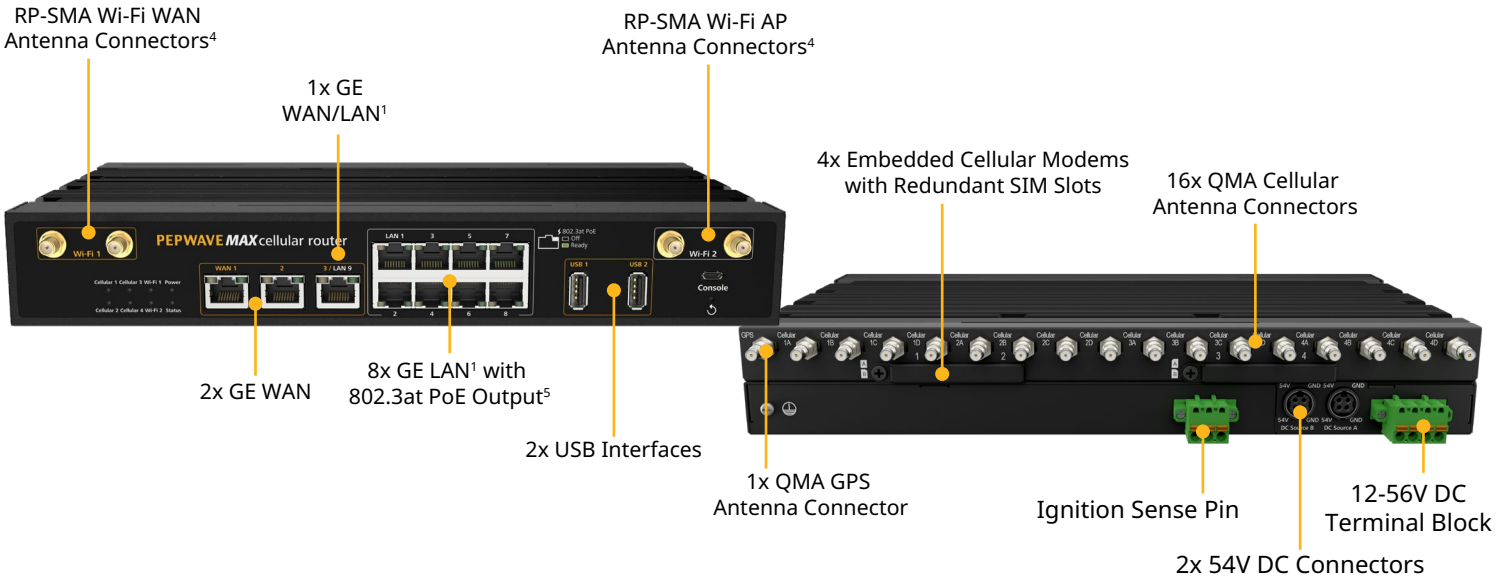
WAN Interface	3x 10/100/1000M Ethernet [1] 4x Embedded Cellular Modems with Redundant SIM Slots 2x USB Interface
LAN Interface	9x 10/100/1000M Ethernet [1]
Wi-Fi Interface	Simultaneous Dual-Band (2.4GHz / 5GHz) Wi-Fi 5 2x2 MIMO Wi-Fi WAN and/or AP
SpeedFusion Features	Hot Failover, Smoothing, Bandwidth Bonding
Number of PepVPN SpeedFusion Peers	3 / 20 / 50 [2]
Features	Ignition Sensing
Router Throughput	2.5Gbps
SpeedFusion Throughput (No Encryption)	600 Mbps
SpeedFusion Throughput (256-bit AES)	500 Mbps
Recommended Users	50-500
Cellular Data Rate [3] (Downlink / Uplink)	600 Mbps / 150 Mbps
Antenna Connectors	8x SMA Cellular Antenna Connectors 4x RP-SMA Wi-Fi Antenna Connectors [4] 1x SMA GPS Antenna Connector

Power Input	Power Port: 12V – 56V DC AC Adapter: AC Input 100V–240V / DC Output 12V Terminal Block: 12V – 56V DC
Power Output	Up to 8x 802.3at PoE Outputs [5]
Power Consumption	55W (max.)
Dimensions	1.7 x 11.5 x 7.0 inches / 43 x 292 x 177 mm
Weight	7.28 pounds / 3.3 kg
Operating Temperature	-40° – 149°F / -40° – 65°C
Humidity	15% – 95% (non-condensing)
Certifications	FCC, CE, RoHS, RCM, E-Mark, PTCRB EN61373 Shock and Vibration Resistance EN50155 Railway Applications - Electronic Equipment used on Rolling Stock EN61000 Electromagnetic Compatibility
Package Content	1x MAX HD4 MBX 8x LTE/5G Antennas (ACW-234) 4x Wi-Fi Dual Band Antennas (ACW-341) 1x GPS Active Antenna (ACW-232) 1x Power Supply (ACW-630) 1x 3pin Terminal Block Connector (Ignition sense) 1x 4pin Terminal Block Connector (Power supply) 1x Grounding Cable & Rubber Foot Pad Set 1 Pair of Mounting Brackets (ACW-513)
SIM Options	Mini-SIM (2FF) Peplink eSIM BYO eSIM (2 profiles) Remote SIM from SIM Injector FusionSIM
Warranty	1-Year Limited Warranty

[1] WAN 3 is configured as a LAN port by default, configuration is changeable on the Web Admin.
[2] With purchase of optional SpeedFusion License (MAX-HD-020-SPF/SFN-LC-50) can connect to up to 20/50 SpeedFusion peers respectively.
[3] Maximum theoretical data rates.
[4] For the best performance and reliability, all 4 RF connectors must be connected to the same type and performance antennas.
[5] 2x 54V DC input is needed for all 8x LAN ports to have 802.3at PoE. Plugging in 1x 54V DC input will result in 4x LAN ports having 802.3at PoE.

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HD4 MBX (CAT-20)



Specifications

WAN Interface	3x 10/100/1000M Ethernet [1] 4x Embedded Cellular Modems with Redundant SIM Slots 2x USB Interface
LAN Interface	9x 10/100/1000M Ethernet [1]
Wi-Fi Interface	Simultaneous Dual-Band (2.4GHz / 5GHz) Wi-Fi 5 2x2 MIMO Wi-Fi WAN and/or AP
SpeedFusion Features	Hot Failover, Smoothing, Bandwidth Bonding
Number of PepVPN SpeedFusion Peers	3 / 20 / 50 [2]
Features	Ignition Sensing
Router Throughput	2.5Gbps
SpeedFusion Throughput (No Encryption)	600 Mbps
SpeedFusion Throughput (256-bit AES)	500 Mbps
Recommended Users	50-500
Cellular Data Rate [3] (Downlink / Uplink)	2 Gbps / 211 Mbps
Antenna Connectors	16x QMA Cellular Antenna Connectors 4x RP-SMA Wi-Fi Antenna Connectors [4] 1x QMA GPS Antenna Connector

Power Input	Power Port: 12V – 56V DC AC Adapter: AC Input 100V–240V / DC Output 12V Terminal Block: 12V – 56V DC
Power Output	Up to 8x 802.3at PoE Outputs [5]
Power Consumption	55W (max.)
Dimensions	1.7 x 11.5 x 7.0 inches / 43 x 292 x 177 mm
Weight	7.28 pounds / 3.3 kg
Operating Temperature	-40° – 149°F / -40° – 65°C
Humidity	15% – 95% (non-condensing)
Certifications	FCC, CE, RoHS, E-Mark, PTCRB EN61373 Shock and Vibration Resistance EN50155 Railway Applications - Electronic Equipment used on Rolling Stock EN61000 Electromagnetic Compatibility ESN (Emergency Services Network)
Package Content [6]	1x MAX HD4 MBX 4x Wi-Fi Dual Band Antennas (ACW-341) 1x GPS Active Antenna (ACW-232) 1x QMA to SMA Adaptor (for GPS) 1x Power Supply (ACW-630) 1x 3pin Terminal Block Connector (Ignition sense) 1x 4pin Terminal Block Connector (Power supply) 1x Grounding Cable & Rubber Foot Pad Set 1 Pair of Mounting Brackets (ACW-513)
SIM Options	Mini-SIM (2FF) Peplink eSIM BYO eSIM (2 profiles) Remote SIM from SIM Injector FusionSIM
Warranty	1-Year Limited Warranty

[1] WAN 3 is configured as a LAN port by default, configuration is changeable on the Web Admin.
[2] With purchase of optional SpeedFusion License (MAX-HD-020-SPF/SFN-LC-50) can connect to up to 20/50 SpeedFusion peers respectively.
[3] Maximum theoretical data rates.
[4] For the best performance and reliability, all 4 RF connectors must be connected to the same type and performance antennas.
[5] 2x 54V DC input is needed for all 8x LAN ports to have 802.3at PoE. Plugging in 1x 54V DC input will result in 4x LAN ports having 802.3at PoE.
[6] Cellular antennas not included. To enhance the MBX, Peplink antennas are recommended.

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HD4 MBX

Ordering Information (CAT-12)

Product Code	Regions	LTE Bands	3G Bands
MAX-HD4-MBX-LTEA-R-T Embedded Modem(s): **4x LTE-A Pro (CAT-12)**	Primary: North America Compatibility: Global US Carrier Certifications: **FirstNet, AT&T, US Cellular, Verizon**	B1, B2, B3, B4, B5, B7, B8, B9, B12, B13, B14 , B18, B19, B20, B26, B29, B30, B32, B41, B42, B43, B46, B48, B66	B1, B2, B4, B5, B6, B8, B9, B19
MAX-HD4-MBX-LTEA-D-T Embedded Modem(s): **4x LTE-A Pro (CAT-12)**	Primary: APAC / EMEA	B1, B2, B3, B4, B5, B7, B8, B9, B12, B13, B14, B17, B18, B19, B20, B21, B25, B26, B28, B29, B30, B32, B38, B39, B40, B41, B66	B1, B2, B3, B4, B5, B8, B9, B19

Ordering Information (CAT-20)

Product Code	Regions	LTE Bands	3G Bands
MAX-HD4-MBX-GLTE-S-T Embedded Modem(s): **4x LTE-A Pro (CAT-20)**	Primary: Global US Carrier Certifications: **FirstNet, AT&T, T-Mobile, Verizon**	B1, B2, B3, B4, B5, B7, B8, B12, B13, B14, B17, B18, B19, B20, B25, B26, B28, B29, B30, B32, B34, B38, B39, B40, B41, B42, B46 (LAA), B48, B66, B71	HSPA+/WCDMA: B1, B2, B3, B4, B5, B6, B8, B9, B19

Featured Add-ons

Product Code	Description
ACW-630	Includes 1x 54V, 3.34A Power Supply Enable 4x LAN with 802.3at PoE output (PoE License automatically applied after kit purchase)
ACW-633	Includes 2x 54V, 3.34A Power Supply Enables 8x LAN with 802.3at PoE output (PoE License automatically applied after kit purchase)
MAX-HD-020-SPF	Supports up to 20 PepVPN/SpeedFusion Peers
SFN-LC-50	Up to 50 SpeedFusion Bonding License Key for MAX HD2/HD4 MBX 5G
SIM-BK8-4E-56V	SIM Injector, 8x SIM cards capacity, 4x 10/100/1000 LAN ports, 56V DC
ANT-MB-40G-Q-B-6	5-in-1 Cellular Antenna System with GPS Receiver (Black)
ANT-MB-40G-Q-W-6	5-in-1 Cellular Antenna System with GPS Receiver (White)

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