

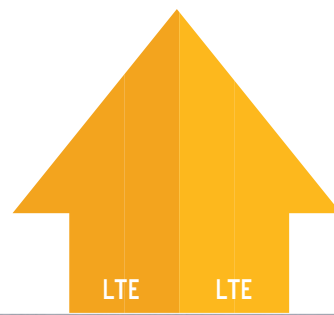


Upgradable Dual-Cellular Gigabit LTE Powerhouse

peplink | PEPWAVE MAX HD2 MBX

Works With

And worldwide 4G LTE/3G carriers



Dual Cellular Bandwidth Bonding

The HD2 MBX is capable of combining the bandwidth of up to 2 cellular links into an unbreakable, high-speed SD-WAN connection. The HD2 MBX supports up to 4 SIM cards, with room for another 8 with the optional SIM Injector. With up to 12 cellular providers to connect to, spotty coverage will simply not be a problem.

Ready for any Environment

The HD2 MBX is designed for industrial usage. With its fanless design, it thrives in high-particle environments that would break other fan-based routers. The HD2 MBX also comes with 8x 802.3at PoE outputs to power your IP phones, cameras, and access points. Finally, the MBX has the same dimensions as the previous HD2, so it can fit seamlessly into any of your previous deployments.



IP Phones



Surveillance

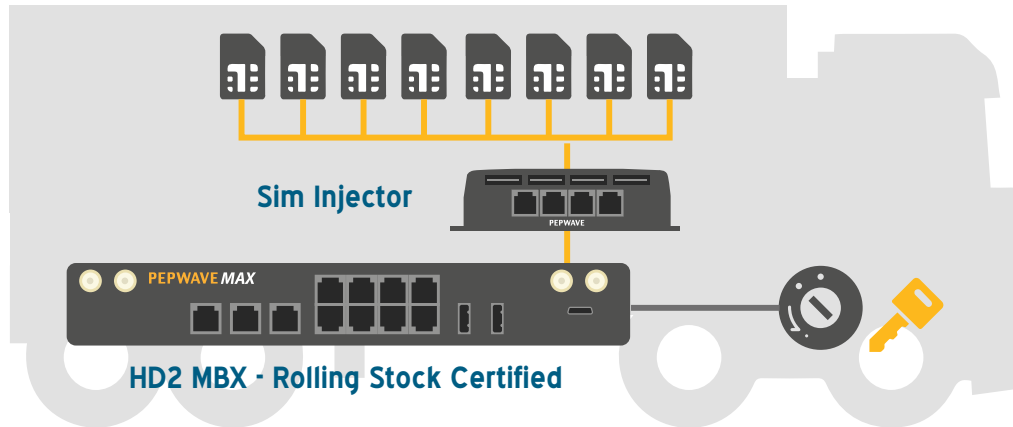


Access Points



802.3at PoE





Ready to Move

The HD2 MBX comes with multiple features to make it ideal for on-the-go deployments. Ignition Sensing gives it the ability to turn on and off depending on whether the vehicle has started. Upon vehicle shutdown, the MBX can also shut down after a user-defined interval, saving the battery from excessive drain.

The HD2 MBX supports the optional SIM Injector, which adds another 8 cellular providers to connect with. This mitigates weak spots in cellular coverage, ensuring consistent connectivity. If your deployment crosses national boundaries, you can also use the SIM Injector to load multiple SIM cards, preventing roaming charges. Finally, the HD2 MBX has rolling stock certification, meeting the strictest requirements of transportation deployments.

Upgradable
Cellular Module, 5G.



Gigabit LTE Ready for 5G

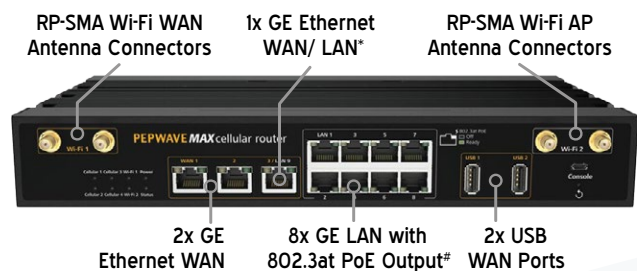
Right out of the box, the HD2 MBX supports Gigabit LTE. For future technologies, the MBX features a swappable cellular module, so when you need to upgrade to 5G, you can simply swap your old one with a new one. The MBX is also capable of 2.5Gbps of throughput, giving you plenty of bandwidth for Gigabit Ethernet, 5G, or any future mobile technologies. 2.5Gbps also gives your wired connections plenty of room to operate in concert with wireless connections, building network resilience and ensuring that your branch office stays up.

SPECIFICATIONS - MAX HD2 MBX (CAT-12)

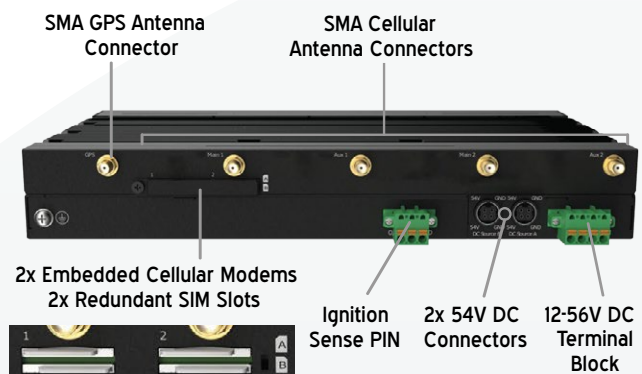
- **WAN Interface:** 2x USB Interface, 3x GE*, 2x Embedded LTE-A Pro Modems with Redundant SIM Slots
- **LAN Interface:** 9x GE*
- **Wi-Fi Interface:** 802.11ac/a/b/g/n, 1166 Mbps 2x2 MIMO Wi-Fi WAN and/or AP Simultaneous Dual-Band
- **Router Throughput:** 2.5 Gbps
- **Number of PepVPN SpeedFusion Peers:** 2/20/50[^]
- **PepVPN Throughput (No Encryption):** 600 Mbps
- **PepVPN Throughput (256-bit AES):** 500 Mbps
- **LTE-A Pro Modems:** 2x Modems, Downlink/Uplink Per Modem: 600 Mbps/150 Mbps
- **Recommended Users:** 50-500
- **Cellular and GPS Antenna Connector:** 4x SMA Antenna Connectors, 1x SMA GPS Antenna Connector, 4x RP-SMA Wi-Fi Antenna Connectors
- **Power Input:** DC Jack/Terminal Block: 12-56 V[#]
- **Power Output:** Up to Eight 802.3at PoE Outputs[#]
- **Power Consumption:** 55W (max.)
- **Dimensions:** 50 x 292 x 177 mm
- **Weight:** 3.3 kg
- **Operating Temperature:** -40° – 65°C
- **Humidity:** 15% – 95% (non-condensing)
- **Certifications:** FCC, CE, RoHS, E-Mark, PTCRB, Shock and Vibration Resistance: EN 61373:1999 IEC 61373:1999, Railway Applications: EN 50155, Electromagnetic Compatibility: EN 61000
- **Warranty:** 1-Year Limited Warranty
- **Package Content:** MAX HD2 MBX (CAT-12) 1x PSU 180W (ACW-630), 4x Wi-Fi Dual Band Antenna (ACW-341), 1x GPS Antenna (ACW-232), 4x LTE/5G Antennas (ACW-234), 1 Pair of Mounting Brackets (ACW-513), 3pin Terminal Block Connector (Ignition sense), 4pin Terminal Block Connector (Power supply), Grounding cable, Rubber Foot Pad set



Front



Back



* WAN 3 is configured as a LAN port by default, configuration is changeable on the Web Admin.

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.

[^] With purchase of optional SpeedFusion License (MAX-HD-020-SPF/ SFN-LC-50) can connect to up to 20/50 SpeedFusion peers respectively.

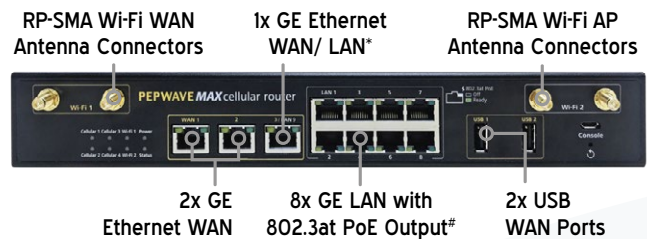


SPECIFICATIONS - MAX HD2 MBX (CAT-18)

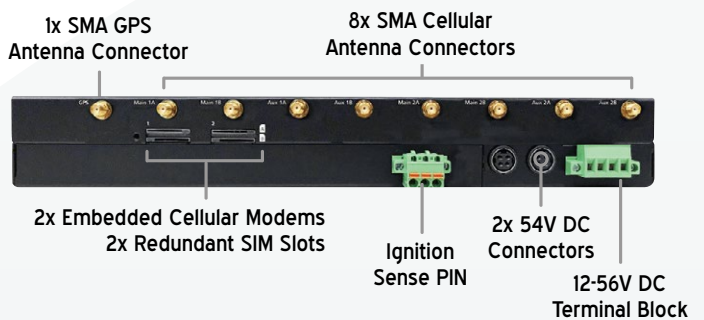
- **WAN Interface:** 2x USB Interface, 3x GE*, 2x Embedded LTE-A Pro Modems with Redundant SIM Slots
- **LAN Interface:** 9x GE*
- **Wi-Fi Interface:** 802.11ac/a/b/g/n, 1166 Mbps 2x2 MIMO Wi-Fi WAN and/or AP Simultaneous Dual-Band
- **Router Throughput:** 2.5 Gbps
- **Number of PepVPN SpeedFusion Peers:** 2/20/50^
- **PepVPN Throughput (No Encryption):** 600 Mbps
- **PepVPN Throughput (256-bit AES):** 500 Mbps
- **LTE-A Pro Modems:** 2x Modems, Downlink/Uplink Datarate: 1.2 Gbps/150 Mbps
- **Recommended Users:** 50-500
- **Cellular and GPS Antenna Connector:** 8x SMA Antenna Connectors, 1x SMA GPS Antenna Connector
- **Power Input:** DC Jack/Terminal Block: 12-56 V#
- **Power Output:** Up to Eight 802.3at PoE Outputs#
- **Power Consumption:** 55W (max.)
- **Dimensions:** 50 x 292 x 177 mm
- **Weight:** 3.3 kg
- **Operating Temperature:** -40° – 65°C
- **Humidity:** 15% – 95% (non-condensing)
- **Certifications:** FCC, CE, RoHS, E-Mark, PTCRB, Shock and Vibration Resistance: EN 61373:1999 IEC 61373:1999, Railway Applications: EN 50155, Electromagnetic Compatibility: EN 61000 ESN (Emergency Services Network)
- **Warranty:** 1-Year Limited Warranty
- **Package Content:** MAX HD2 MBX, 1x PSU 180W (ACW-630), 4x Wi-Fi Dual Band Antenna (ACW-341), 1x GPS Antenna (ACW-232), 8x LTE/5G Antennas (ACW-234), 1 Pair of Mounting Brackets (ACW-513), 3pin Terminal Block Connector (Ignition sense), 4pin Terminal Block Connector (Power supply), Grounding cable, Rubber Foot Pad set



Front



Back



* WAN 3 is configured as a LAN port by default, configuration is changeable on the Web Admin.

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.

^ With purchase of optional SpeedFusion License (MAX-HD-020-SPF/ SFN-LC-50) can connect to up to 20/50 SpeedFusion peers respectively.



ORDERING INFORMATION

Product Code	Carrier / Category	Embedded Modems	4G Bands	3G Bands
MAX-HD2-MBX-LTEA-K-T	Global* / CAT-12	2	B1, B2, B3, B4, B5, B7, B8, B9, B12, B13, B18, B19, B20, B26, B28, B29, B30, B32, B41, B42, B43, B46, B48, B66	B1, B2, B4, B5, B6, B8, B9, B19
MAX-HD2-MBX-GLTE-G-T	Global / CAT-18	2	B1, B3, B25(B2), B66(B4), B26(B5/B18/B19), B7, B8, B12(17), B13, B14, B20, B28, B29, B30, B32, B71, B38, B39, B40, B41, B42, B43, B46, B48	B1, B2, B4, B5(B19), B8

* China & HK TD LTE are excluded.

FEATURE ADD-ON

Product Code	Description	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)	ANT-MB-42G-S-B-6	7-in-1 Cellular and Wi-Fi Antenna System with GPS Receiver (Black)
ACW-633	Includes 2x 54V, 3.34A Power Supply. Enables 8x LAN with 802.3at PoE output (PoE License automatically applied after kit purchase)	ANT-MB-42G-S-B-6	5-in-1 Cellular Antenna System with GPS Receiver (White)
SIM-BK8-4E-56V	SIM Injector, 8x SIM cards capacity, 4x 10/100/1000 LAN ports, 56V DC	ANT-MB-40G-S-B-6	5-in-1 Cellular Antenna System with GPS Receiver (Black)
MAX-HD-020-SPF	Enable up to 20 PepVPN / SpeedFusion Peers	ANT-MB-02-R-W-6	2x2 MIMO Wi-Fi Dual Band Antenna (White)
SFN-LC-50	Enable up to 50 PepVPN / SpeedFusion Peers	ANT-MB-02-R-B-6	2x2 MIMO Wi-Fi Dual Band Antenna (Black)
ANT-MB-42G-S-W-6	7-in-1 Cellular and Wi-Fi Antenna System with GPS Receiver (White)	ANT-MB-42G-S-W-6	7-in-1 Cellular and Wi-Fi Antenna System with GPS Receiver (White)
		ANT-MB-42G-S-B-6	7-in-1 Cellular and Wi-Fi Antenna System with GPS Receiver (Black)

Why Rising Connection is using equipment designed and built by Peplink?

- Industry leader in both ISP & Data Bonding across multiple technology platforms
- Reliable hardware from entry level professional equipment through to advanced Enterprises solutions
- Worldwide supported and local support here in Australia by fully trained technicians
- Reliable and secure redundancy paths for mission critical sites
- Designed for maximum possible business uptime

This demonstrates to Rising Connection that you will have the Quality, Reliability and Product Support.