MBX 5G

5G Quad Cellular Mobile Powerhouse

双重强大

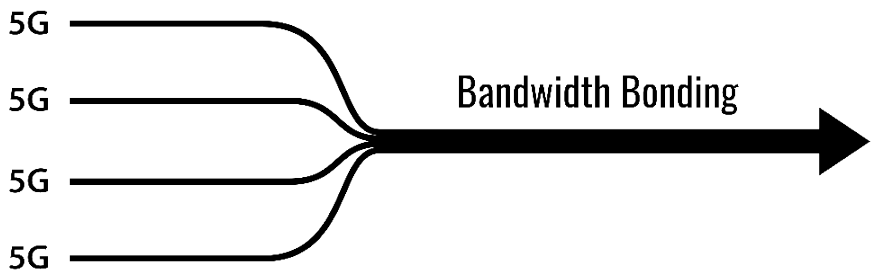
MBX 5G是一款四路蜂窝移动强力设备，具备冗余的SIM卡槽和多无线电功能，通过将5G和LTE的优点结合在一起，提供了速度、可靠性和覆盖范围的最佳组合。

便携性

其紧凑的外形使其可以在各种情况下部署，如车辆、船只和分支网络等。

与 SIM 注入器的兼容性

它的兼容性允许升级模块以进一步定制以满足任何部署需求。



优化您的流量

无论您需要速度还是成本效益，使用流量导向将每个数据包引导到最合适的连接。

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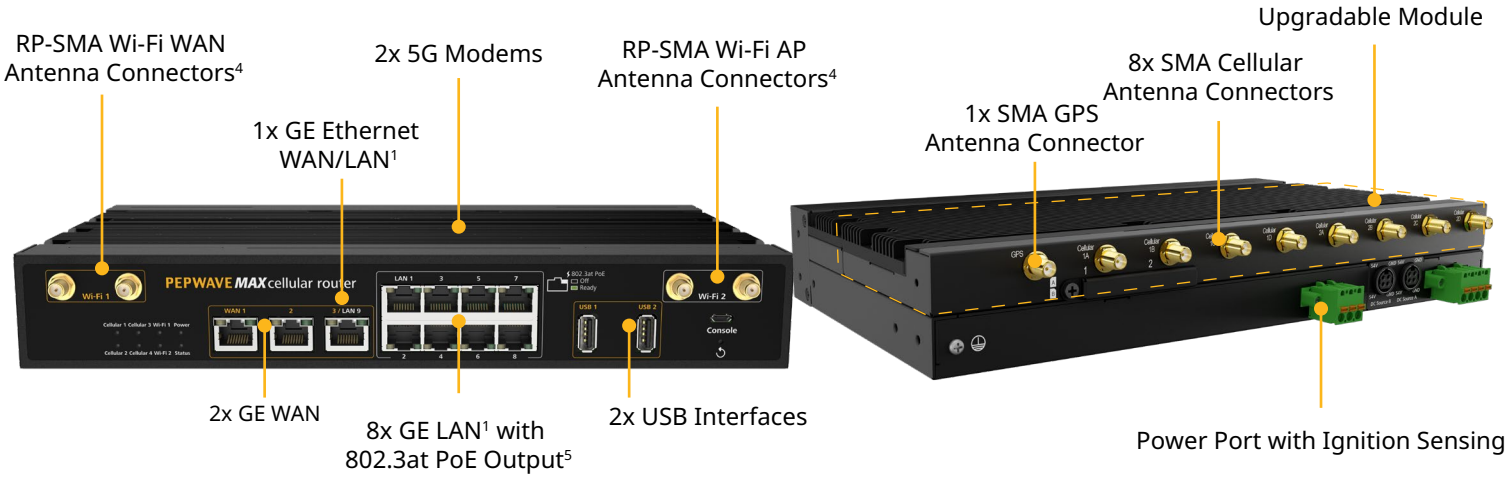
HD2 MBX 5G



Specifications

WAN Interface	3x 10/100/1000M Ethernet [1] 2x 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, WAN Smoothing, Bandwidth Bonding
Number of SpeedFusion VPN Peers	2 / 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)	5G: 4 Gbps / 700 Mbps CAT-20: 2 Gbps / 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 Eight 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 EN61373 Shock and Vibration Resistance EN50155 Railway Applications - Electronic Equipment used on Rolling Stock EN61000 Electromagnetic Compatibility
Package Content	1x MAX HD2 MBX 8x LTE Antennas (ACW-813) 4x Wi-Fi Dual Band Antenna (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)
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 proper Wi-Fi performance and operations, please ensure all 4 Wi-Fi antenna connectors (labeled Wi-Fi 1 and Wi-Fi 2) have antennas attached.
[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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HD2 MBX 5G

Ordering Information

Product Code	Regions	5G Bands	LTE Bands
MAX-HD2-MBX-5GD-T Embedded Modem(s): **2x 5G**	Primary: APAC & EMEA Compatibility: Global	**5G (NSA) Sub 6Ghz** n1, n2, n3, n5, n7, n8, n12, n20, n28, n38, n41, n66, n71, n77, n78, n79	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, B48, B66, B71
MAX-HD2-MBX-5GH-T Embedded Modem(s): **2x 5G**	Primary: North America* Compatibility: Global *US Carrier Certifications: **AT&T, T-Mobile, US Cellular**	**5G (NSA) Sub 6Ghz** n1, n2, n3, n5, n28, n41, n66, n71, n77, n78, n79	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, B48, B66, B71

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 SpeedFusion VPN 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-42G-S-B-6	7-in-1 Cellular and Wi-Fi Antenna System with GPS Receiver (Black)
ANT-MB-42G-S-W-6	7-in-1 Cellular and Wi-Fi Antenna System with GPS Receiver (White)

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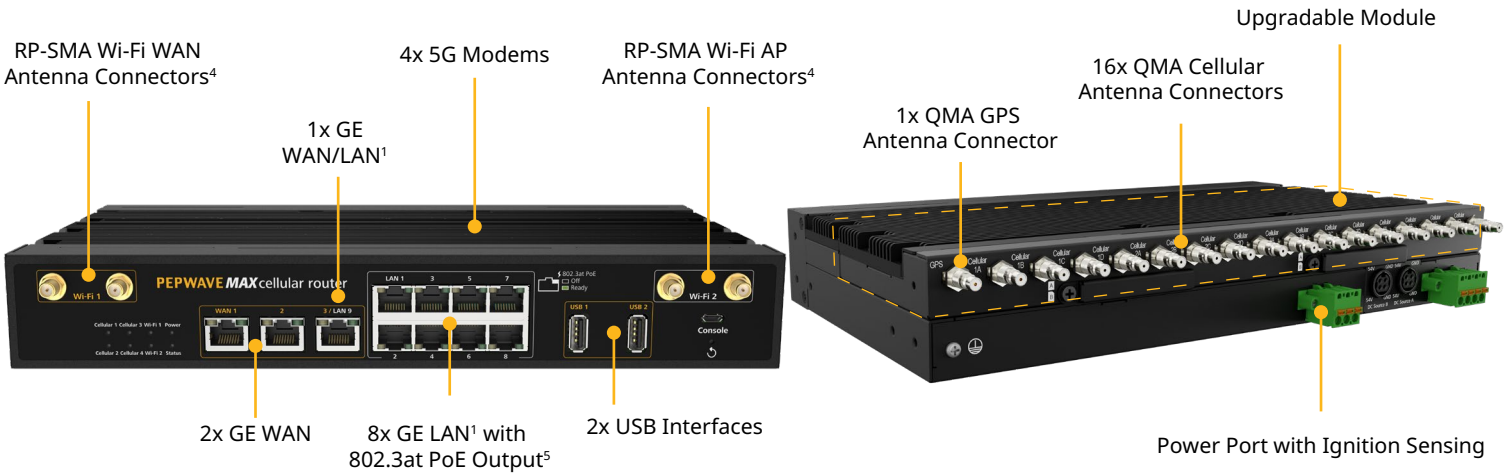
HD4 MBX 5G



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, WAN Smoothing, Bandwidth Bonding
Number of SpeedFusion VPN Peers	2 / 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)	5G: 4 Gbps / 700 Mbps CAT-20: 2 Gbps / 150 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 Eight 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 EN61373 Shock and Vibration Resistance EN50155 Railway Applications - Electronic Equipment used on Rolling Stock EN61000 Electromagnetic Compatibility
Package Content [6]	1x MAX HD4 MBX 4x Wi-Fi Dual Band Antennas (ACW-341) 1x QMA to SMA Adapter (For GPS) 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)
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.
[5] Cellular antennas not included. To enhance the MBX, Peplink antennas are recommended.

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HD4 MBX 5G

Ordering Information

Product Code	Regions	5G Bands	LTE Bands
MAX-HD4-MBX-5GD-T Embedded Modem(s): **4x 5G**	Primary: APAC & EMEA Compatibility: Global	**5G (NSA) Sub 6Ghz** n1, n2, n3, n5, n7, n8, n12, n20, n28, n38, n41, n66, n71, n77, n78, n79	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, B48, B66, B71
MAX-HD4-MBX-5GH-T Embedded Modem(s): **4x 5G**	Primary: North America* Compatibility: Global *US Carrier Certifications: **AT&T, T-Mobile, US Cellular, Verizon**	**5G (NSA) Sub 6Ghz** n1, n2, n3, n5, n28, n41, n66, n71, n77, n78, n79	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, B48, B66, B71

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 SpeedFusion VPN 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-42G-S-B-6	7-in-1 Cellular and Wi-Fi Antenna System with GPS Receiver (Black)
ANT-MB-42G-S-W-6	7-in-1 Cellular and Wi-Fi Antenna System with GPS Receiver (White)

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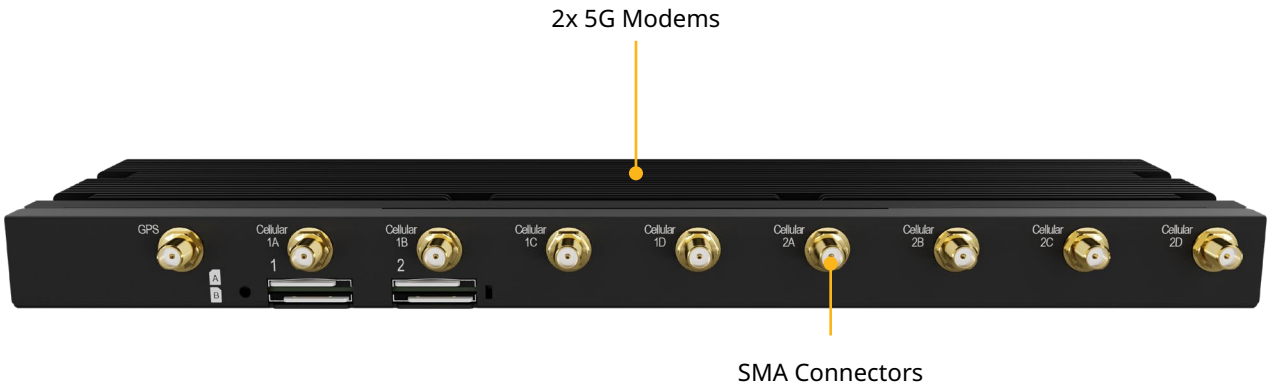
Expansion Module for HD2 MBX



Specifications

Interface	2x Embedded Cellular Modems with Redundant SIM Slots	**Dimensions**	0.9 x 11.5 x 3.5 inches / 22 x 292 x 88 mm
Antenna Connectors	8x SMA Antenna Connectors 1x SMA GPS Antenna Connectors	**Weight**	2.2 pounds / 1 kg
Cellular Data Rate [1] (Downlink / Uplink)	5G: 4 Gbps / 700 Mbps CAT-20: 2 Gbps / 150 Mbps		

Ordering Information

Product Code	Regions	5G Bands	LTE Bands
EXM-MBX-T2-5GD Embedded Modem(s): **2x 5G**	Primary: APAC & EMEA Compatibility: Global	**5G (NSA) Sub 6Ghz** n1, n2, n3, n5, n7, n8, n12, n20, n28, n38, n41, n66, n71, n77, n78, n79	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, B48, B66, B71
EXM-MBX-T2-5GH Embedded Modem(s): **2x 5G**	Primary: North America Compatibility: Global	**5G (NSA) Sub 6Ghz** n1, n2, n3, n5, n28, n41, n66, n71, n77, n78, n79	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, B48, B66, B71

[1] Maximum theoretical data rates.

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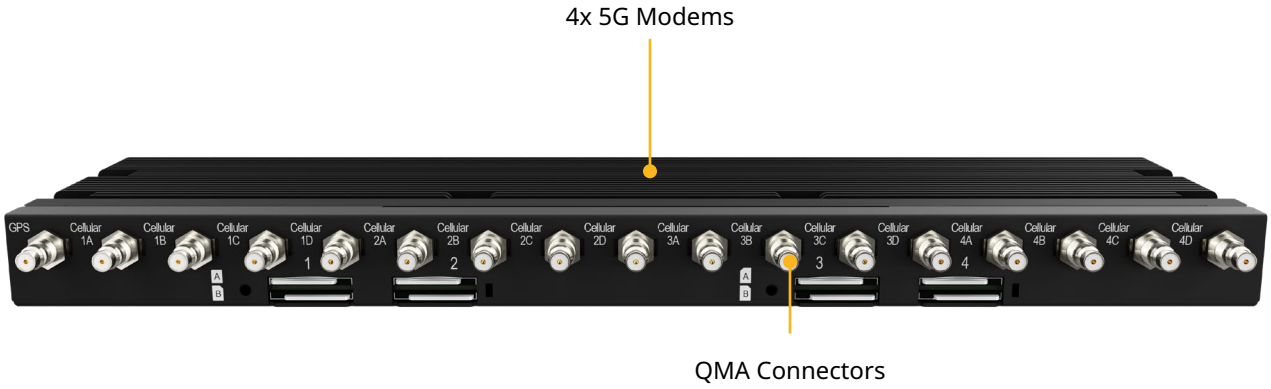
Expansion Module for HD4 MBX



Specifications

Interface	4x Embedded Cellular Modems with Redundant SIM Slots	**Dimensions**	0.9 x 11.5 x 3.5 inches / 22 x 292 x 88 mm
Antenna Connectors	16x QMA Antenna Connectors 1x QMA GPS Antenna Connectors	**Weight**	2.2 pounds / 1 kg
Cellular Data Rate [1] (Downlink / Uplink)	5G: 4 Gbps / 700 Mbps CAT-20: 2 Gbps / 150 Mbps		

Ordering Information

Product Code	Regions	5G Bands	LTE Bands
EXM-MBX-T4-5GD Embedded Modem(s): **4x 5G**	Primary: APAC & EMEA Compatibility: Global	**5G (NSA) Sub 6Ghz** n1, n2, n3, n5, n7, n8, n12, n20, n28, n38, n41, n66, n71, n77, n78, n79	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, B48, B66, B71
EXM-MBX-T4-5GH Embedded Modem(s): **4x 5G**	Primary: North America Compatibility: Global	**5G (NSA) Sub 6Ghz** n1, n2, n3, n5, n28, n41, n66, n71, n77, n78, n79	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, B48, B66, B71

[1] Maximum theoretical data rates.

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