

MAX HD1/2 MBX

Upgradable Multi-Cellular Gigabit LTE Powerhouse

LTE-A
LTE

Specifications

| | MAX HD1 MBX (M12) | MAX HD2 MBX (M12) |
|---------------------------------------|---|---------------------------|
| Cellular Modems | 1x Modem | 2x Modems |
| WAN Interface | 3x GE Embedded LTE/LTE-A Modems with Redundant SIM Slots | |
| LAN Interface | 4x 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 [^] | |
| PepVPN Throughput (No Encryption) | 600 Mbps | |
| PepVPN Throughput (256-bit AES) | 500 Mbps | |
| Downlink/Uplink Per Modem | 100Mbps/50Mbps (LTE Modem) 600Mbps/150Mbps (LTE-A Pro Modem) | |
| Recommended Users | 50-500 | |
| Cellular Antenna Connectors | 2x QMA Antenna Connectors | 4x QMA Antenna Connectors |
| GPS & Wi-Fi Antenna Connector | 1x QMA GPS Antenna Connector 4x RP-SMA Wi-Fi Antenna Connectors | |
| Power Input | M12/Terminal Block: 110V DC | |
| Power Consumption | 55 W (max.) | |
| Dimensions | 11.5 x 1.5 x 10.9 inches 292 x 39 x 278mm | |
| Weight | 9.7 pounds 4.4 kg | |
| Operating Temperature | -40 ° – 149 °F -40 ° – 65 °C | |
| Humidity | 15% – 95% (non-condensing) | |
| Certifications | FCC, CE, RoHS, RCM, 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 | |

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

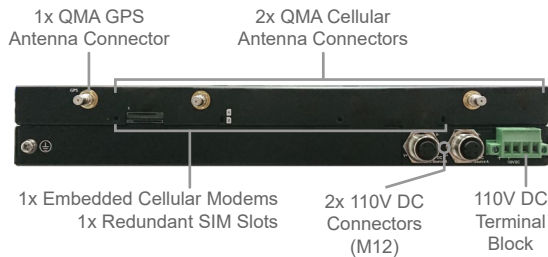
HD1/2 MBX (M12)



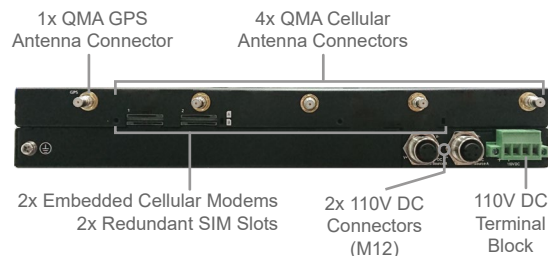
Front



Back - HD1 MBX



Back - HD2 MBX



Ordering Information

| | Product Code | Description | Carrier / Category | Embedded Modems | 4G Bands | 3G Bands |
|-----------|----------------------------|---|--------------------------------|-----------------|--|---|
| LTE-A Pro | MAX-HD1-MBX-MFA-N-LTEA-K-T | MAX HD1 MBX LTEA with MediaFast with M12 connectors | Global* / CAT-12 | 1 | B1, B2, B3, B4, B5, B7, B8, B9, B12, B13, B18, B19, B20, B26, B28, B29, B30, B32, B41, B42, B43, B46, B48, B66 | HSPA+: B1, B2, B4, B5, B6, B8, B9, B19 |
| | MAX-HD2-MBX-MFA-N-LTEA-K-T | MAX HD2 MBX LTEA with MediaFast with M12 connectors | Global* / CAT-12 | 2 | | |
| LTE | MAX-HD1-MBX-MFA-N-LTE-E-T | MAX HD1 MBX LTE with MediaFast with M12 connectors | Europe / International / CAT-4 | 1 | B1, B3, B5, B7, B8, B20, B38 (TDD), B40(TDD), B41 (TDD) | WCDMA/HSPA+/DC-HSPA+: B1, B5, B8 |
| | MAX-HD2-MBX-MFA-N-LTE-E-T | MAX HD2 MBX LTE with MediaFast with M12 connectors | Europe / International / CAT-4 | 2 | | |

* China & HK TD LTE are excluded.

MAX HD2 MBX 5G

Upgradable Multi-Cellular Gigabit LTE Powerhouse

Specifications

| | MAX HD2 MBX (-5G) | MAX HD2 MBX (-5G-GLTE) |
|------------------------------------|---|--|
| Cellular Modems | 2x 5G/4G/3G Multi-mode Modem | 1x 5G/4G/3G Multi-mode Modem 1x LTE-A Pro Modem |
| WAN Interface | 3x GE Embedded LTE/LTE-A Modems with Redundant SIM Slots | |
| LAN Interface | 4x 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 [^] | |
| PepVPN Throughput (No Encryption) | 600 Mbps | |
| PepVPN Throughput (256-bit AES) | 500 Mbps | |
| Downlink/Uplink Per Modem | 100Mbps/50Mbps (LTE Modem) 600Mbps/150Mbps (LTE-A Pro Modem) | |
| Recommended Users | 50-500 | |
| Cellular Antenna Connectors | 8x QMA Antenna Connectors | |
| GPS & Wi-Fi Antenna Connector | 1x QMA GPS Antenna Connector 4x RP-SMA Wi-Fi Antenna Connectors | |
| Power Input | M12/Terminal Block: 110V DC | |
| Power Consumption | 55 W (max.) | |
| Dimensions | 11.5 x 1.5 x 10.9 inches 292 x 39 x 278mm | |
| Weight | 9.7 pounds 4.4 kg | |
| Operating Temperature | -40 ° – 149 °F -40 ° – 65 °C | |
| Humidity | 15% – 95% (non-condensing) | |
| Certifications | FCC, CE, RoHS, RCM, 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 | |

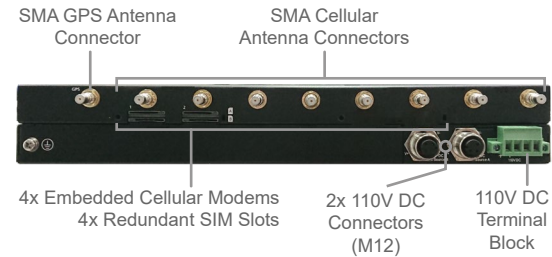
HD2 MBX 5G



Front



Back



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Ordering Information

| | Product Code | Description | Carrier/Category | Embedded Modems | 5G Bands | 4G Bands |
|----|-------------------------|---|--|-----------------|--|--|
| 5G | MAX-HD2-MBX-5G-T | MAX HD2 MBX 5G with M12 connectors | Global/CAT-20 | 2 | 5G Sub 6Ghz : n1, n2, n3, n5, n7, n8, n12, n20, n28, n38, n40, n41, n48, n66, n71, n77, n78, n79 | B1, B2, B3, B4, B5, B7, B8, B9, 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-5G-GLTE-G-T | MAX HD2 MBX 5G & LTEA-Pro with M12 connectors | <i>Cellular 1:</i> Global /CAT-20 <i>Cellular 2:</i> Global /CAT-18 | 2 | <i>Cellular 1:</i> 5G Sub 6Ghz : n1, n2, n3, n5, n7, n8, n12, n20, n28, n38, n40, n41, n48, n66, n71, n77, n78, n79 | <i>Cellular 1:</i> B1, B2, B3, B4, B5, B7, B8, B9, B12, B13, B14, B17, B18, B19, B20, B25, B26, B28, B29, B30, B32, B34, B38, B39, B40, B41, B42, B46, B48, B66, B71 <i>Cellular 2:</i> B1, B3, B25(B2), B66(B4), 26(B5/B18/B19), B7, B8, B12(17), B13, B14, B20, B28, B29, B30, B32, B71, B38, B39, B40, B41, B42, B43, B46, B48 |