

# MAX HD4

Quad 4G LTE Mobile Router



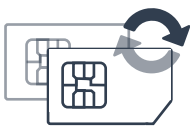
### Compatible With:



\*Selected models

## Quad 4G LTE Mobile Router

The MAX HD4 delivers outstanding performance from all your connections with the help of SpeedFusion bandwidth bonding and intelligent load balancing.



### Quad Embedded Cellular and Redundant SIM Slots

Quad Cellular Modems and Redundant SIM slots allow you to use up to four different cellular providers for bandwidth bonding, data overage protection or eliminating blind spots.



### Fleet Tracking and Management

With built-in GPS fleet tracking and InControl 2 cloud-based management, you can keep tabs on location and manage your mobile network from any Internet-connected device.



### Terminal Block for Secure Power Supply

The MAX HD4 is equipped with a terminal block for secure installation in vehicles and other locations.

**SpeedFusion™**  
VPN Bonding Technology



### SpeedFusion Bandwidth Bonding and Seamless Failover

SpeedFusion bandwidth bonding technology bonds all connected bandwidth into a single superfast stream, using the same or different cellular providers.



### Customize Captive Portal

Branding your captive portal is as easy as uploading your logo and terms & conditions. You can easily set bandwidth allowance and access duration per user or manage access using RADIUS server.



### Certified Toughness

In addition to rugged metal enclosure, the MAX HD4 has certifications on: Shock and vibration resistance (EN 61373:1999, IEC 61373:1999) Railway applications (EN 50155) Electromagnetic Compatibility (EN 61000)

# Specifications

| MAX HD4                            |   |
|------------------------------------|---|
| WAN Interface                      | 1x USB Interface<br>2x GE   |
| LAN Interface                      | 4x Embedded LTE-A Modems with Redundant SIM Slots<br>8x GE  |
| Wi-Fi Interface                    | 802.11ac/a/b/g/n, 1166 Mbps 2x2 MIMO Wi-Fi WAN and/or AP<br>Simultaneous Dual-Band  |
| Router Throughput                  | 400Mbps   |
| Recommended Users                  | 500   |
| LTE Modem                          | Downlink/Uplink Datarate:<br>100Mbps/50Mbps   |
| LTE-A Modem                        | Downlink/Uplink Datarate:<br>300Mbps/50Mbps   |
| LTE-A Pro Modem                    | Downlink/Uplink Datarate:<br>600Mbps/150Mbps  |
| Cellular and GPS Antenna Connector | 8x SMA Antenna Connectors<br>2x SMA GPS Antenna Connector<br>4x RP-SMA Wi-Fi Antenna Connectors, With Antennas  |
| Power Input                        | DC Jack/Terminal Block: 12V - 56V, 4A   |
| Power Output                       | Up to Eight 802.3at PoE Outputs   |
| Power Consumption                  | 38W (max. before PoE Output)  |
| Dimensions                         | 2.0 x 11.5 x 7.0 inches<br>50 x 292 x 177 mm  |
| Weight                             | 4.20 pounds<br>1.9 kg   |
| Operating Temperature              | -40° - 149°F<br>-40° - 65°C   |
| Humidity                           | 15% - 95% (non-condensing)  |
| Certifications                     | FCC, CE, RoHS, E-Mark, IC<br>Shock and Vibration Resistance: EN 61373:1999 IEC 61373:1999<br>Railway Applications: EN 50155<br>Electromagnetic Compatibility: EN 61000                        |
| Warranty                           | 1-Year Limited Warranty<br>MAX HD4,   |
| Package Content                    | 1x 12V4.2A Power supply with power cord (ACW-635),<br>4x Wi-Fi Dual Band Antennas (ACW-341),<br>1x GPS Antenna (ACW-232), 4x LTE Antennas (ACW-813),<br>1 Pair of Mounting Brackets (ACW-513) |



## Ordering Information

|       | Product Code      | Carrier/Region                      | Embedded Modems | Cellular Standard  | 4G Bands   | 3G Bands   |
|-------|-------------------|-------------------------------------|-----------------|--|--|--|
| LTE-A | MAX-HD4-LTEA-W-T  | Worldwide / CAT-6                   | 4               | LTE Advanced   | B1, B2, B3, B4, B5, B7, B8, B12, B13, B20, B25, B26, B29, B30, B41   | WCDMA/HSPA+/DC-HSPA+: B1, B2, B3, B4, B5, B8   |
|       | MAX-HD4-LTEA-P-T  | Asia Pacific / CAT-6                | 4               | LTE Advanced   | B1, B3, B5, B7, B8, B18, B19, B21, B28, B38, B39, B40, B41   | WCDMA/HSPA+/DC-HSPA+: B1, B5, B8, B9, B19<br>UMTS: B6<br>TD-SCDMA: B39   |
|       | MAX-HD4-LTEA-WF-T | America / FirstNet / CAT-12 / CAT-6 | 4               | LTE Advanced Pro: Cellular 1<br>LTE Advanced: Cellular 2-4 | Cellular 1:<br>4G LTE-A Pro: B1, B2, B3, B4, B5, B7, B8, B9, B12, B13, B14, B18, B19, B20, B26, B29, B30, B32, B41, B42, B43, B46, B48, B66<br>Cellular 2-4:<br>4G LTE-A: B1, B2, B3, B4, B5, B7, B8, B12, B13, B20, B25, B26, B29, B30, B41 | Cellular 1:<br>HSPA+: B1, B2, B4, B5, B6, B8, B9, B19<br>Cellular 2-4:<br>WCDMA/HSPA+/DC-HSPA+: B1, B2, B3, B4, B5, B8 |
|       | MAX-HD4-LTEA-WK-T | Global* / CAT-12 / CAT-6            | 4               | LTE Advanced Pro: Cellular 1<br>LTE Advanced: Cellular 2-4 | Cellular 1:<br>4G LTE-A Pro: B1, B2, B3, B4, B5, B7, B8, B9, B12, B13, B18, B19, B20, B26, B28, B29, B30, B32, B41, B42, B43, B46, B48, B66<br>Cellular 2-4:<br>4G LTE-A: B1, B2, B3, B4, B5, B7, B8, B12, B13, B20, B25, B26, B29, B30, B41 | Cellular 1:<br>HSPA+: B1, B2, B4, B5, B6, B8, B9, B19<br>Cellular 2-4:<br>WCDMA/HSPA+/DC-HSPA+: B1, B2, B3, B4, B5, B8 |
| LTE   | MAX-HD4-LTE-E-T   | Europe / International / CAT-4      | 4               | LTE  | B1, B3, B5, B7, B8, B20, B38 (TDD), B40(TDD), B41 (TDD)  | WCDMA/HSPA+/DC-HSPA+: B1, B5, B8   |

\*China & HK TD LTE are excluded.

## Custom Options

| Product Code     | Description   |
|------------------|---|
| ACW-618          | Includes 2x 56V/2.1A Power Supply<br>Enable 8x 802.3at/af PoE+ Output   |
| ACW-622          | Includes 1x 56V Power Supply<br>Enables 802.3af PoE Output Ports (PoE License automatically applied after kit purchase) |
| MAX-HD-020-SPF   | Supports up to 20 PepVPN/SpeedFusion Peers  |
| MAX-HD4-LC-5WAN  | WAN Port Activation License for MAX HD4. Convert LAN ports 1-3 to WAN ports 3-5.  |
| ANT-MB-40G-S-W-6 | 5-in-1 Cellular Antenna System with GPS Receiver (White)  |
| ANT-MB-40G-S-B-6 | 5-in-1 Cellular 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)  |
| ANT-MB-42G-S-B-6 | 7-in-1 Cellular and Wi-Fi Antenna System with GPS Receiver (Black)  |
| ANT-MB-02-R-W-6  | 2x2 MIMO Wi-Fi Dual Band Antenna (White)  |
| ANT-MB-02-R-B-6  | 2x2 MIMO Wi-Fi Dual Band Antenna (Black)  |