

# MAX HD4

## Quad 4G LTE Mobile Router



Works With

verizon

Sprint



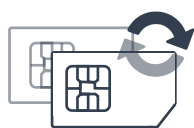
at&t

T-Mobile

And worldwide 4G LTE/3G carriers

### 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<sup>™</sup>  
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.

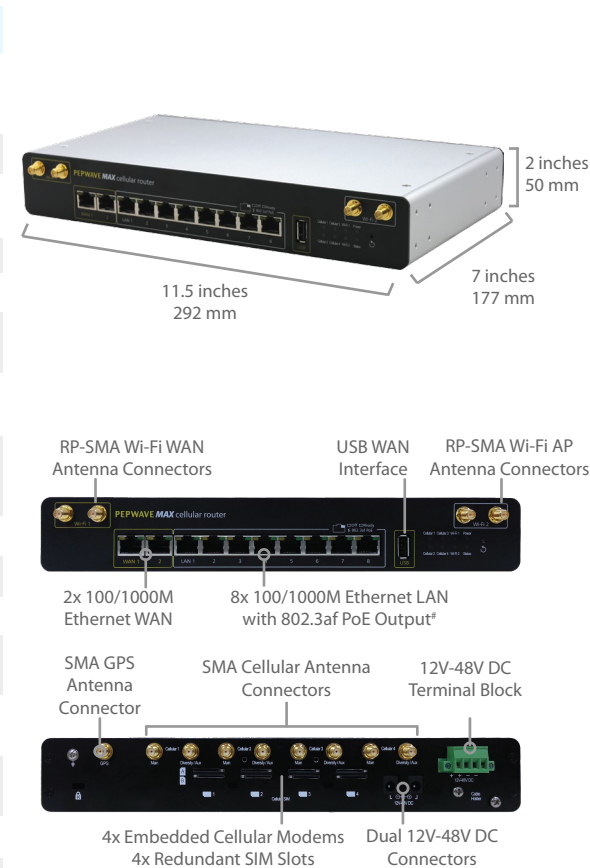


### Certified Toughness

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 2x GE 4x Embedded LTE-A Modems with Redundant SIM Slots
LAN Interface	8x GE
Wi-Fi Interface	802.11ac/b/g/n, 1166 Mbps 2x2 MIMO Wi-Fi WAN and/or AP Simultaneous Dual-Band
Router Throughput	400Mbps
Recommended Users	500
LTE Modem	Downlink/Uplink Datarate: 100Mbps/50Mbps
LTE-A Modem	Downlink/Uplink Datarate: 300Mbps/50Mbps
Cellular and GPS Antenna Connector	8x SMA Antenna Connectors 1x SMA GPS Antenna Connector 4x RP-SMA Wi-Fi Antenna Connectors, With Antennas
Power Input	DC Jack/Terminal Block: 12V - 48V, 4A
Power Output	Up to Eight 802.3af PoE Outputs
Power Consumption	38W (max.)
Dimensions	2.0 x 11.5 x 7.0 inches 50 x 292 x 177 mm
Weight	4.20 pounds 1.9 kg
Operating Temperature	-40° – 149°F -40° – 65°C
Humidity	15% – 95% (non-condensing)
Certifications	FCC, CE, RoHS, E-Mark Shock and Vibration Resistance: EN 61373:1999 IEC 61373:1999 Railway Applications: EN 50155 Electromagnetic Compatibility: EN 61000
Warranty	1-Year Limited Warranty



# Ordering Information

	Product Code	Carrier/Region	Embedded Modems	Cellular Standard	4G Bands/Frequencies (MHz)	3G Bands/Frequencies (MHz)
4G LTE	MAX-HD4-LTEA-W-T	Worldwide	4	LTE Advanced	B1/2100, B2/1900, B3/1800, B4/AWS, B5/850, B7/2600, B8/900GSM, B12/700a, B13/700c, B20/800DD, B25/1900+, B26/850+, B29/700d, B30/2300WCS, B41/TD2500	WCDMA/HSPA+/DC-HSPA+: B1/2100, B2/1900, B3/1800, B4/AWS, B5/850, B8/900
	MAX-HD4-LTEA-P-T	Asia-Pacific	4	LTE Advanced	B1/2100, B3/1800, B5/850, B7/2600, B8/900, B18/800 Lower, B19/800 Upper, B21/1500 Upper, B28/700 APT, B38/TD 2600, B39/TD 1900+, B40/TD 2300, B41/TD 2500	WCDMA/HSPA+/DC-HSPA+: B1/2100, B5/850, B8/900, B9/1800, B19/800 Upper UMTS: B6/800 TD-SCDMA: B39/1900
	MAX-HD4-LTE-US-T	Verizon/Sprint/AT&T/T-Mobile	4	LTE	B2/1900, B4/AWS, B5/850, B13/700, B17/700, B25/1900	WCDMA/HSPA+/DC-HSPA+: B1/2100, B2/1900, B4/AWS, B5/850, B8/900 EV-DO Rev.A: BC0/800, BC1/1900, BC10/800
	MAX-HD4-LTE-E-T	Europe/International	4	LTE	B1/2100, B3/1800, B7/2600, B8/900, B20/800	WCDMA/HSPA+/DC-HSPA+: B1/2100, B2/1900, B5/850, B6/800, B8/900

# Features

<b>WAN</b> Support for PPPoE, Static IP, DHCP WAN Link Health Check Bandwidth Allowance Monitor USB 4G/3G Modem Support IPv6 Support Support for Dynamic DNS services	<b>Global Positioning System</b> Integrated GPS Device Location Map Location Tracking Data GPS eXchange Format (GPX) Fleet Management with InControl 2	<b>Load Balancing</b> Intelligent Failover Session Persistence Per-Service Load Distribution Multiple Algorithms	<b>Complete VPN Solution</b> PepVPN/SpeedFusion Hot Failover /SpeedFusion Bandwidth Bonding Site-to-Site VPN Bandwidth Bonding Hot Failover 256-bit AES Encryption Pre-shared Key Authentication Dynamic Routing X.509 Certificate Support PPTP VPN Server RADIUS, LDAP Authentication IPsec VPN (Network-to-Network) X.509 Certificate Support	<b>Device Management</b> Web Administrative Interface Command Line Interface InControl Cloud Management Email Notification Active Client & Session Lists Bandwidth Usage Statistics Syslog Service SNMP v1, v2c and v3
<b>LAN</b> DHCP Server for LAN Clients Extended DHCP Options DHCP Reservation DNS Proxy for LAN Clients VLAN on LAN Support Per-Port VLAN Support	<b>Networking</b> NAT and IP Forwarding Static Routes Port Forwarding Many to One, One to One NAT NAT Pool SIP ALG, H.323 ALG UPnP, NAT-PMP WINS Server VRRP HA support	<b>Captive Portal Support</b> Wired & Wireless LAN Client Support Support for RADIUS Authentication Time and Usage Quotas on Open Access Mode Built-in Customizable Splash Page	<b>AP Controller</b> AP Controller Support Wi-Fi Usage Statistics	<b>Package Content</b> MAX HD4 4x Dual Band Wi-Fi Antennas 1x GPS Active Antenna 8x 2dBi 4G LTE Antennas 1 Pair of Mounting Brackets
	<b>Security</b> Stateful Firewall DoS Prevention Web Blocking Web Filtering Blacklist			