MAX HD2
Dual 4G LTE Mobile Router

peplink | PEPWAVE

Dual 4G LTE Mobile Router

The HD2 gives you blazing fast connectivity on the road with dual embedded cellular modems, SpeedFusion bandwidth bonding, simultaneous dual-band 11ac Wi-Fi and a built-in 4-port GE switch with PoE capability.
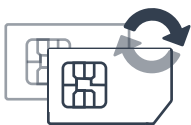
Works With*

verizon✓   Sprint   at&t   T··Mobile·

*Selected models

Dual Cellular for Multiple Carriers

Dual SIM slots allow you to use the same or different cellular providers for bandwidth bonding or eliminating blind spots.

Fleet Tracking and Management

With built-in GPS fleet tracking and InControl 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 HD2 is equipped with a terminal block for secure installation in vehicles and other locations.

SpeedFusion"
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.
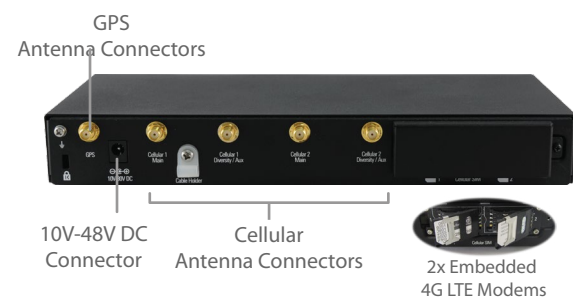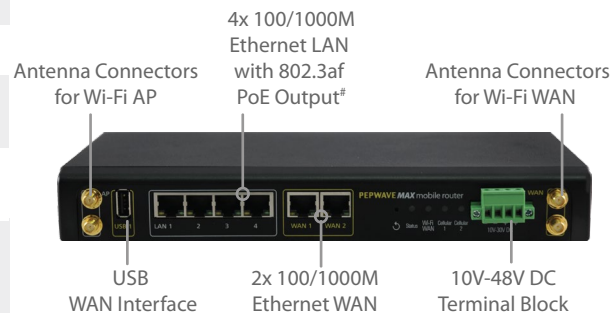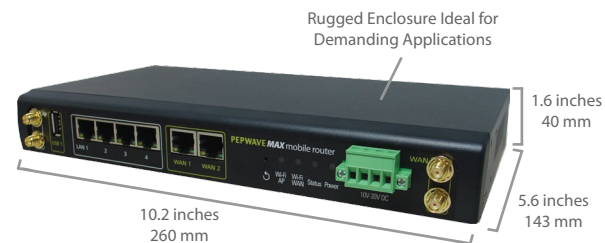
Certified Toughness

In addition to rugged metal enclosure, HD2 has certifications on:
Shock and vibration resistance (EN 61373:2010)
RF Port Lightning Immunity (ITU-T K.20 (+/- 1.5 kV))
Railway Applications (EN 50155)
Electromagnetic Compatibility (EN 61000)

Specifications

	MAX HD2
WAN Interface	1x USB Interface 2x GE 2x Embedded LTE Modems
LAN Interface	4x GE
Wi-Fi Interface	802.11ac 1166 Mbps Wi-Fi WAN and/or AP Simultaneous Dual-Band
Router Throughput	400Mbps
Recommended Users	150
LTE Modem	Downlink/Uplink Datarate: 100Mbps/50Mbps
LTE-A Modem	Downlink/Uplink Datarate: 300Mbps/50Mbps
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: 10V - 48V
Power Output	Up to Four 802.3af PoE Outputs#
Power Consumption	28W (max.)
Dimensions	1.6 x 10.2 x 5.6 inches 40 x 260 x 143 mm
Weight	2.2 pounds 1 kg
Operating Temperature	-40° – 149°F -40° – 65°C
Humidity	15% – 95% (non-condensing)
Certifications	FCC, CE, RoHS, E-Mark RF Port Lightning Immunity: ITU-T K.20 (+/- 1.5 kV) Shock and Vibration Resistance: EN 61373:2010 Railway Applications: EN 50155 Electromagnetic Compatibility: EN 61000
Warranty	1-Year Limited Warranty

Rugged Enclosure Ideal for Demanding Applications

1.6 inches
40 mm

5.6 inches
143 mm

10.2 inches
260 mm

Antenna Connectors for Wi-Fi AP

4x 100/1000M Ethernet LAN with 802.3af PoE Output#

Antenna Connectors for Wi-Fi WAN

USB WAN Interface

2x 100/1000M Ethernet WAN

10V-48V DC Terminal Block

GPS Antenna Connectors

10V-48V DC Connector

Cellular Antenna Connectors

2x Embedded 4G LTE Modems

#PoE Activation Kit is available separately

Ordering Information

	Product Code	Carrier/Region	Cellular Standard	4G Bands/Frequencies (MHz)	3G Bands/Frequencies (MHz)
LTE	MAX-HD2-LTE-US-T	Verizon/Sprint/AT&T/T-Mobile	LTE	B2/1900, B4/AWS (XLTE) , 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-HD2-LTE-UE-T	Cellular 1: Verizon/Sprint/ AT&T/T-Mobile Cellular 2: Europe/International	LTE	Cellular 1 B2/1900, B4/AWS (XLTE), B5/850, B13/700, B17/700, B25/1900 Cellular 2 B1/2100, B3/1800, B7/2600, B8/900, B20/800	Cellular 1 WCDMA/HSPA+/DC-HSPA+: B1/2100, B2/1900, B4/AWS, B5/850, B8/900 EV-DO Rev.A: BC0/800, BC1/1900, BC10/800 Cellular 2 WCDMA/HSPA+/DC-HSPA+: B1/2100, B2/1900, B5/850, B6/800, B8/900
	MAX-HD2-LTE-E-T	Europe/International	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
LTEA	MAX-HD2-LTEA-W-T	Worldwide^	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/TD 2500	WCDMA/HSPA+/DC-HSPA+: B1/2100, B2/1900, B3/1800, B4/AWS, B5/850, B8/900
	MAX-HD2-LTEA-P-T	Asia Pacific	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

^Pending certification by Verizon and Sprint in the US

Add-on Feature

Product Code	Product Name	Description
ACW-609	PoE Activation Kit	Includes 1x 48V Power Supply Enables 802.3af PoE Output Ports (PoE License automatically applied after kit purchase)

Features

WAN
Support for PPPoE, Static IP, DHCP
WAN Link Health Check
Bandwidth Allowance Monitor
Support for Dynamic DNS services
WAN Port Convertible into LAN Port

LAN
DHCP Server for LAN Clients
Extended DHCP Options
DHCP Reservation
DNS Proxy for LAN Clients
VLAN on LAN Support
Per-Port VLAN Support

Security
Stateful Firewall
DoS Prevention
Web Blocking
Wef Filtering Blacklist

Load Balancing
Intelligent Failover
Session Persistence
Per-Service Load Distribution
Multiple Algorithms

Advanced QoS
Individual Bandwidth Limit
Application Prioritization
    SIP, HTTPS, VPN QoS
        Custom Application QoS

Complete VPN Solution
PepVPN/SpeedFusion Hot Failover
    Site-to-Site VPN
    Hot Failover
    256-bit AES Encryption
    Pre-shared Key Authentication
    Dynamic Routing
    X.509 Certificate Support*
IPsec VPN (Network-to-Network)
    X.509 Certificate Support*

Networking
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

Captive Portal Support
Support for Wired and Wireless LAN Clients
Support for RADIUS Authentication
Time and Usage Quotas on Open Access
Mode
Built-in Customizable Splash Page

Global Positioning System
Integrated GPS
Device Location Map
Location Tracking Data with InControl 2
Fleet Management with InControl 2

#Available as optional feature.