

MAX HD2 Mini

Mission Critical 4G LTE Bandwidth Bonding Router

PEPWAVE
Broadband Possibilities

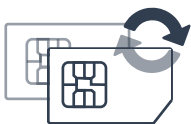


Compact Dual 4G LTE Mobile Router

The HD2 Mini packs big features, such as dual embedded cellular, SpeedFusion bandwidth bonding, and PoE, into a tough, compact enclosure that stands up to life on the go.

Works With

verizon Sprint at&t T-Mobile
And worldwide 4G LTE/3G carriers



Dual Cellular and Redundant SIM Slots

Dual Cellular and Redundant SIM slots allow you to use the same or different cellular providers for bandwidth bonding, data coverage protection 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.



Meet Strict Security Compliance

Got a strict no-Wi-Fi security policy? Configured without Wi-Fi, the BR1 ENT is a great choice for deployments with compliance requirements.

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.

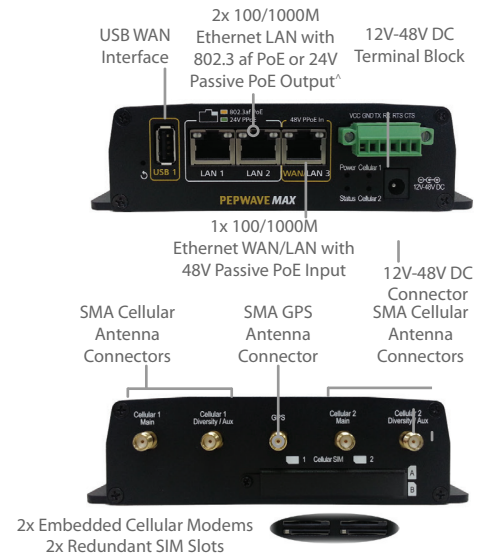
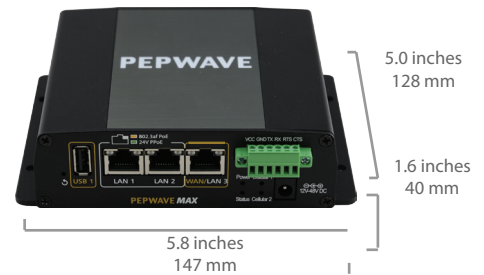


Certified Toughness

In addition to rugged metal enclosure, HD2 Mini has certifications on:
RF Port Lightning Immunity:
ITU-T K.20 (+/- 1.5 kV)
Shock and vibration resistance
(EN 61373:1999, IEC 61373:1999)
Railway applications (EN 50155)
Electromagnetic Compatibility (EN 61000)

Specifications

MAX HD2 Mini	
WAN Interface	1x USB Interface 1x GE 2x Embedded LTE Modems with Redundant SIM Slots
LAN Interface	2x GE
Router Throughput	200Mbps
Recommended Users	25-150
Cellular and GPS Antenna Connector	4x SMA Antenna Connectors 1x SMA GPS Antenna Connector
Power Input	DC Jack/Terminal Block: 12V – 48V 2A
Power Output	Up To Three 802.3af/24V Pepwave Passive PoE Outputs*
Power Consumption	15W (max.)
Dimensions	1.6 x 5.8 x 5 inches 40 x 147 x 128 mm
Weight	0.96 pounds 0.5 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) EN 61373:1999 IEC 61373:1999 : Shock and Vibration Resistance: EN 50155: Railway Applications EN 61000: Electromagnetic Compatibility
Warranty	1-Year Limited Warranty



*PoE Kit is available separately.

Ordering Information

Product Code	Carrier	Embedded Modem	4G Bands/Frequencies (MHz)	3G Bands/Frequencies (MHz)
MAX-HD2-MIN-LTE-US-T	Verizon/Sprint/AT&T/T-Mobile	2	4G 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-MIN-LTE-UE-T	Cellular 1: Verizon/Sprint /AT&T/T-Mobile	2	Cellular 1 4G LTE: B2/1900, B4/AWS (XLTE), B5/850, B13/700, B17/700, B25/1900	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: Europe/International		Cellular 2 4G LTE: B1/2100, B3/1800, B7/2600, B8/900, B20/800	Cellular 2 WCDMA/HSPA+/DC-HSPA+: B1/2100, B2/1900, B5/850, B6/800, B8/900
MAX-HD2-MIN-LTE-E-T	Europe/International	2	4G 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

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
USB 4G/3G Modem Support
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

Advanced QoS

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

Load Balancing

Intelligent Failover
Session Persistence
Per-Service Load Distribution
Multiple Algorithms

Complete VPN Solution

PepVPN/SpeedFusion Hot Failover
Site-to-Site VPN
Bandwidth Aggregation
Hot Failover
256-bit AES Encryption
Pre-shared Key Authentication
Dynamic Routing
IPsec VPN (Network-to-Network)

Security

Stateful Firewall
DoS Prevention
Web Blocking
Web Filtering Blacklist

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

Device Management

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

Package Content

MAX HD2 Mini
12V2A Power Supply
1x GPS Active Antenna
4x 2dBi 4G LTE Antennas