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.
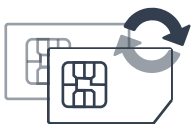
Works With
verizon✓   Sprint   at&t   T··Mobile·
And worldwide 4G LTE/3G carriers

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 overage 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.
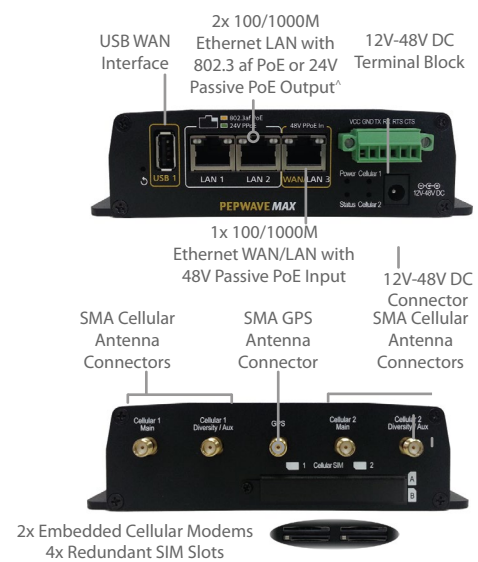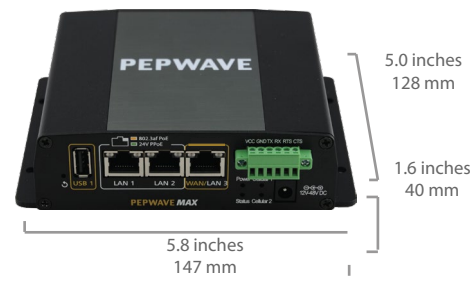
Certified Toughness

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.

Image descriptions (labels):

5.0 inches 128 mm

1.6 inches 40 mm

5.8 inches 147 mm

USB WAN Interface

2x 100/1000M Ethernet LAN with 802.3 af PoE or 24V Passive PoE Output^

12V-48V DC Terminal Block

1x 100/1000M Ethernet WAN/LAN with 48V Passive PoE Input

12V-48V DC Connector SMA Cellular Antenna Connectors

SMA Cellular Antenna Connectors

SMA GPS Antenna Connector

2x Embedded Cellular Modems 4x Redundant SIM Slots

Ordering Information

	Product Code	Carrier	Embedded Modem	4G Bands/Frequencies (MHz)	3G Bands/Frequencies (MHz)
4G LTE	MAX-HD2-MINI-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-MINI-LTE-UE-T	Cellular 1: Verizon/Sprint /AT&T/T-Mobile Cellular 2: Europe/International	2	Cellular 1 4G LTE : B2/1900, B4/AWS (XLTE), B5/850, B13/700, B17/700, B25/1900 Cellular 2 4G LTE: 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-MINI-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