

MAX HD2

Dual 4G LTE Mobile Router

PEPWAVE
Broadband Possibilities



Dual 4G LTE Mobile Router

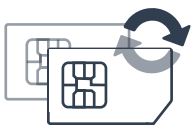
The HD2 gives you blazing fast connectivity on the road with dual embedded cellular modems and SpeedFusion bandwidth bonding, plus a built-in 4-port GE switch to reduce clutter in your mobile deployments. It is also Verizon XLTE certified.



Works With



And worldwide 4G LTE/3G carriers



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.



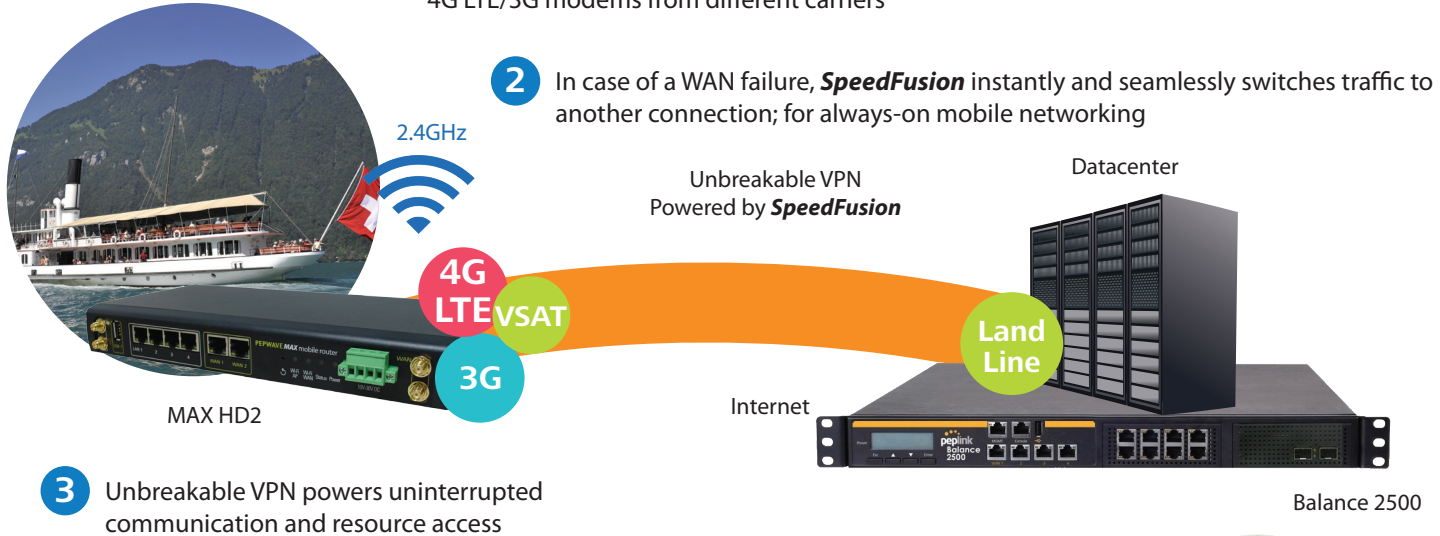
Certified Toughness

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)

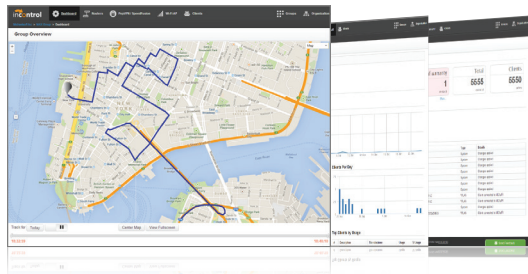
Applications

High-End Passenger Wi-Fi – Fast and Reliable Mobile Networking

- 1 **SpeedFusion** creates an **unbreakable connection** using multiple 4G LTE/3G modems from different carriers
- 2 In case of a WAN failure, **SpeedFusion** instantly and seamlessly switches traffic to another connection; for always-on mobile networking

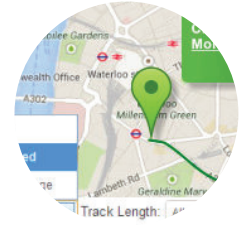


- 3 Unbreakable VPN powers uninterrupted communication and resource access



InControl²

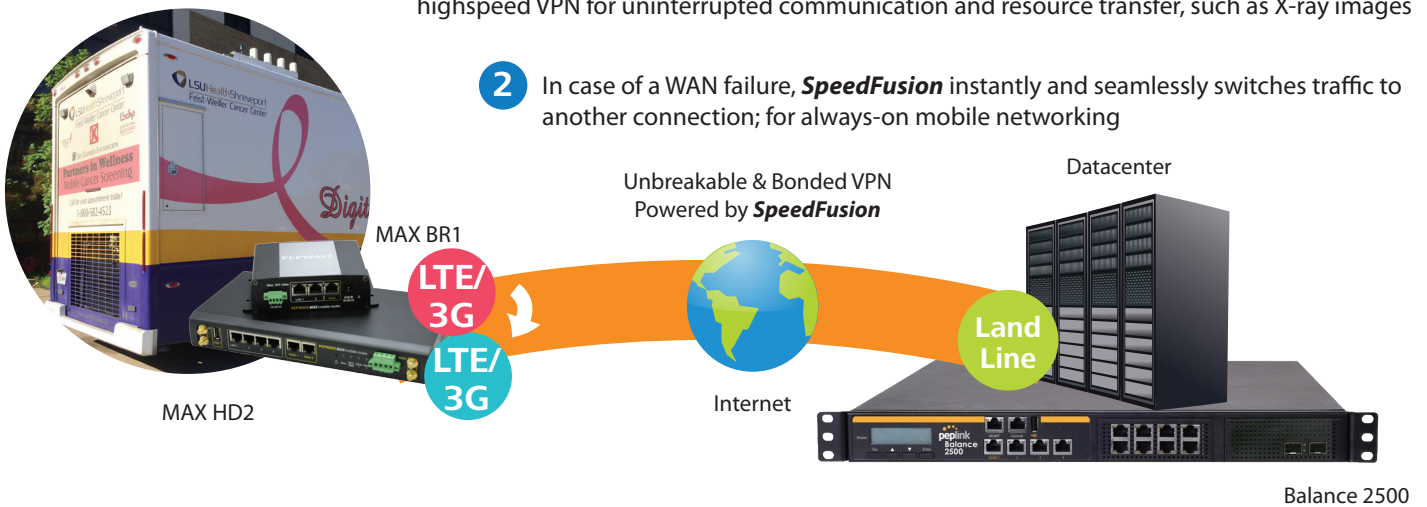
Setup. Manage. Report.



- 4 InControl 2 provides complete cloud-based device management, monitoring, and reporting and let you check vehicle speed, view cellular coverage, and play back route histories in real-time

Command Center/Large Image Transfer – Fast and Reliable Mobile Networking

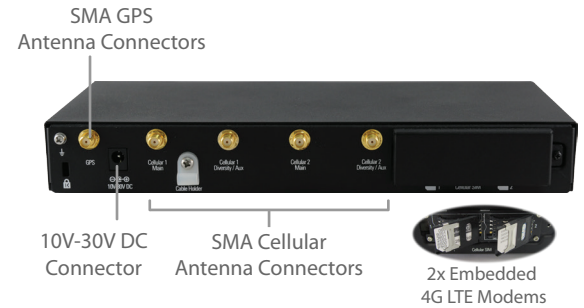
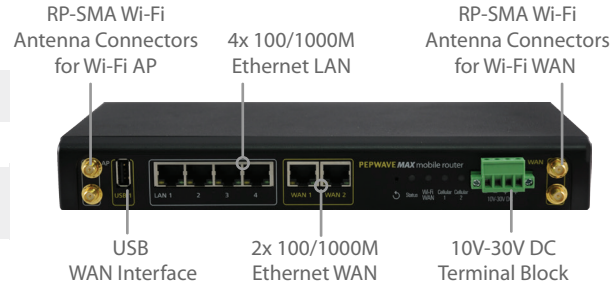
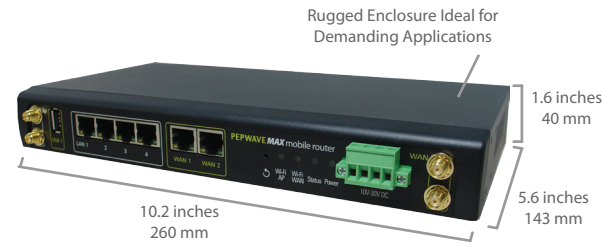
- 1 Two MAX BR1s with a MAX HD2 bond the bandwidths of the 4 cellular connections, create highspeed VPN for uninterrupted communication and resource transfer, such as X-ray images
- 2 In case of a WAN failure, **SpeedFusion** instantly and seamlessly switches traffic to another connection; for always-on mobile networking



Balance 2500

Specifications

MAX HD2	
WAN Interface	1x USB Interface 2x GE 2x Embedded LTE Modems
LAN Interface	4x GE
Wi-Fi Interface	802.11b/g/n 300 Mbps Wi-Fi WAN and/or AP
Router Throughput	100Mbps
Cellular and GPS Antenna Connector	4x SMA Antenna Connectors 1x SMA GPS Antenna Connector 4x 5dBi Wi-Fi Antennas
Power Input	DC Jack/Terminal Block: 10V - 30V, 3A
Power Consumption	25W (max.)
Dimensions	1.6 x 10.2 x 5.6 inches 40 x 260 x 143 mm
Weight	2.65 pounds 1.2 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



Ordering Information

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

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

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

Advanced QoS
User Groups
Bandwidth Reservation
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 Bandwidth Bonding
Site-to-Site VPN
Bandwidth Bonding
Hot Failover
256-bit AES Encryption
Pre-shared Key Authentication
Dynamic Routing
IPsec VPN (Network-to-Network)

Security
Stateful Firewall
DoS Prevention
Web Blocking

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

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
12V3A Power Supply
4x 5dBi Wi-Fi Antennas
1x GPS Active Antenna
4x 2dBi 4G LTE Antennas
1 Pair of Mounting Brackets