



Back-up Elite

UNLIMITED FAILOVER INTERNET PLAN

Unlimited Data

Recommended devices
5 to 500



HARDWARE:

MAX HD4 MBX (CAT-20) Cellular Modem

TERM & PRICING OPTIONS

\$819.99 / mo.
36 month term

\$919.99 / mo.
24 month term

\$1,249.99 / mo.
12 month term

INCLUDED IN BACK-UP BASICS:

- MAX HD4 MBX (CAT-20)
- Failover License & InControl² Modem Cloud Management
- Unlimited Data
- 24/7 Support
- Quad SIM - Carrier Agnostic
- WAN Bonding X4

**Use the carriers
of your choice**

INCLUDED IN ALL CELLULAR FAILOVER PACKAGES:

Our backup Internet solutions are self-contained. We provide the hardware, data, and support you need to keep your business running during a primary Internet outage.

- Industrial-Level Cellular Modem
- Modem Cloud Management Platform
- SIM Cards
- Tier-1 Data Plan
- 24/7 Hardware & Data Support
- Data Pooling for Multiple Offices
- Redundant Carrier Support



MBX

Multi Cellular Mobile Powerhouse

Upgradable Gigabit LTE

Right out of the box, the MBX supports Gigabit LTE. It features a swappable cellular module when you need an upgrade. The MBX's 2.5Gbps throughput gives your wired connections plenty of room to operate in concert with wireless connections.

Ready to Move

Its compact form paired with its fanless design allows it to be deployed for industrial applications, while features such as Ignition Sensing make it ready for on-the-go deployments.



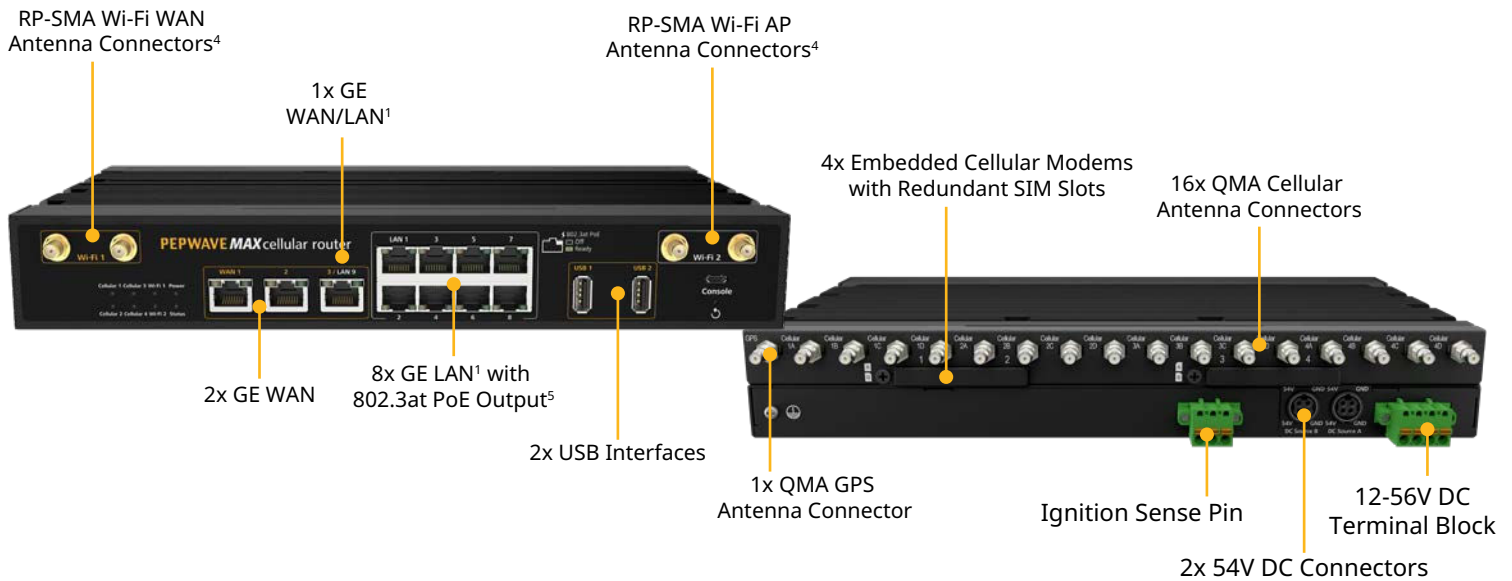
Multi Cellular Bandwidth Bonding

The MBX is a multi cellular mobile powerhouse with redundant SIM slots and multi-radio capabilities providing speed, reliability, and coverage by connecting to a maximum of 8 different cellular providers.

Compatible with SIM injector

Throw in the SIM Injector to add room for another 8 SIMs that can be managed up to 100m away. Eliminate spotty coverage with up to 16 different connectivity channels.

HD4 MBX (CAT-20)



Specifications

WAN Interface	3x 10/100/1000M Ethernet ¹ 4x Embedded Cellular Modems with Redundant SIM Slots 2x USB Interface	Power Input	Power Port: 12V – 56V DC AC Adapter: AC Input 100V–240V / DC Output 12V Terminal Block: 12V – 56V DC
LAN Interface	9x 10/100/1000M Ethernet ¹	Power Output	Up to 8x 802.3at PoE Outputs ⁵
Wi-Fi Interface	Simultaneous Dual-Band (2.4GHz / 5GHz) Wi-Fi 5 2x2 MIMO Wi-Fi WAN and/or AP	Power Consumption	55W (max.)
SpeedFusion Features	Hot Failover, WAN Smoothing, Bandwidth Bonding	Dimensions	1.7 x 11.5 x 7.0 inches / 43 x 292 x 177 mm
Number of PepVPN SpeedFusion Peers	2 / 20 / 50 ²	Weight	7.28 pounds / 3.3 kg
Features	Ignition Sensing	Operating Temperature	-40° – 149°F / -40° – 65°C
Router Throughput	2.5Gbps	Humidity	15% – 95% (non-condensing)
SpeedFusion Throughput (No Encryption)	600 Mbps	Certifications	FCC, CE, RoHS, E-Mark, PTCRB EN61373 Shock and Vibration Resistance EN50155 Railway Applications - Electronic Equipment used on Rolling Stock EN61000 Electromagnetic Compatibility ESN (Emergency Services Network)
SpeedFusion Throughput (256-bit AES)	500 Mbps	Package Content ⁶	1x MAX HD4 MBX 4x Wi-Fi Dual Band Antennas (ACW-341) 1x GPS Active Antenna (ACW-232) 1x QMA to SMA Adaptor (for GPS) 1x Power Supply (ACW-630) 1x 3pin Terminal Block Connector (Ignition sense) 1x 4pin Terminal Block Connector (Power supply) 1x Grounding Cable & Rubber Foot Pad Set 1 Pair of Mounting Brackets (ACW-513)
Recommended Users	50-500	Warranty	1-Year Limited Warranty
Cellular Data Rate ³ (Downlink / Uplink)	2 Gbps / 211 Mbps		
Antenna Connectors	16x QMA Cellular Antenna Connectors 4x RP-SMA Wi-Fi Antenna Connectors ⁴ 1x QMA GPS Antenna Connector		

¹ WAN 3 is configured as a LAN port by default, configuration is changeable on the Web Admin.

² With purchase of optional SpeedFusion License (MAX-HD-020-SPF/SPN-LC-50) can connect to up to 20/50 SpeedFusion peers respectively.

³ Maximum theoretical data rates.

⁴ For the best performance and reliability, all 4 RF connectors must be connected to the same type and performance antennas.

⁵ 2x 54V DC input is needed for all 8x LAN ports to have 802.3at PoE. Plugging in 1x 54V DC input will result in 4x LAN ports having 802.3at PoE.

⁶ Cellular antennas not included. To enhance the MBX, Peplink antennas are recommended.

Ordering Information (CAT-20)

Product Code

MAX-HD4-MBX-GLTE-S-T
Embedded Modem(s):
4x LTE-A Pro (CAT-20)

Regions

Primary: Global

US Carrier Certifications:
FirstNet, AT&T, T-Mobile, Verizon

LTE Bands

B1, B2, B3, B4, B5, B7, B8, B12, B13,
B14, B17, B18, B19, B20, B25, B26,
B28, B29, B30, B32, B34, B38, B39,
B40, B41, B42, B46 (LAA), B48, B66,
B71

3G Bands

HSPA+/WCDMA: B1, B2, B3,
B4, B5, B6, B8, B9, B19

InControl 2

Cloud Based SD-WAN Network Management



InControl is our cloud-based endpoint management system. When connected to your devices, it aggregates data to generate useful reports on all aspects of your network. On a single screen, you can push configurations to any and all of your endpoints. If you need to dig deeper, you can remotely access the web admin of any device on your network.

Using InControl, you can save configuration time, minimize truck rolls, stay on top of the status of your network, and proactively resolve any emerging problems with speed and precision.



Zero Touch Configuration

InControl simplifies network management by aggregating network information and presenting them in easy-to-read reports. Push configuration and firmware updates to hundreds of devices with a click of a button and apply schedules to SSID, Wi-Fi radios, and SD-Switch ports.



SD – WAN Provisioning

Provisioning SD-WAN configurations to endpoints used to take hours. With InControl, you can now build your PepVPN network in one minute. Simply open the PepVPN configurator, select your topography, and select your peers.



GPS Fleet Management

InControl 2 provides full-fleet device management when used in combination with our vehicle-mounted, GPS-enabled devices, such as the MAX HD2 and BR1. Track your devices wherever they are using our interactive maps. Check vehicle speed, cellular coverage, and traffic conditions. Play back complete route histories for any time period.



Network Troubleshooting

Set up email notifications for important network events. Monitor WAN quality and bandwidth usage using intuitive graphical reports. InControl 2 provides detailed logs of your network's events and operations. Finally, the Remote Web Admin feature lets you directly access the WebUI of any device, saving truck rolls.

InControl 2

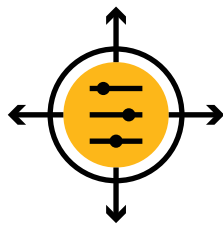
Cloud Based SD-WAN Network Management



InControl Mobile App

Review your Entire Network at a Glance.

Monitor



Monitor Multiple Organizations

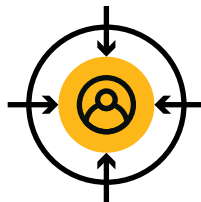
Easily switch between your different organizations.



Connection Status

Check connection status of any device, the clients they are connected to, and all activity affecting the group.

Manage



Customizable Push Notifications

Receive push notifications for important network events.
Fine tune your notifications by group and network event type.



Convenient Access to Favorites

Save your most commonly accessed groups across all organizations on the favorite screen



InControl API

Integrate InControl Information into your own App

The InControl 2 API opens up a world of possibilities for integrating our platform with your custom apps, web site, or other third party software.