MBX Mini

Good things come in small packages
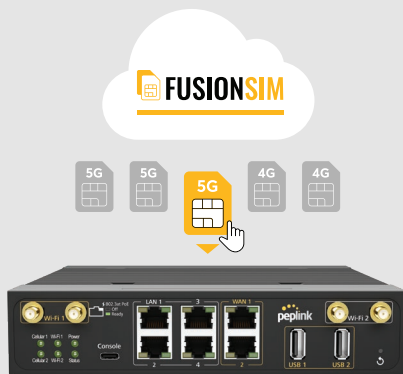
Small is the new mighty.

Bring your deployments to life with the versatility of the MBX Mini. It's just as brilliant as any other MBX device we have to offer. So connect your devices to the PoE enabled LAN ports to provide network simplicity as well as IEEE 802.1X port authentication. This MBX Mini has the power to achieve it all.

Keep your connection flowing in whatever deployment that you're immersed in and deliver more power and redundancy with THREE power input options: DC Source A, DC Source B, and a terminal block.
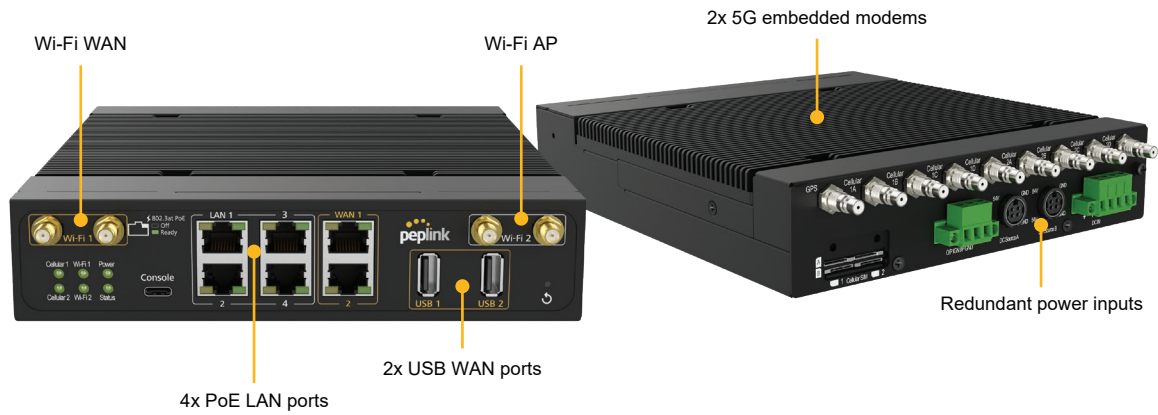
One. Two. Three. Four.

We know fast connections are critical to achieving great things. Its dual-band Wi-Fi and 5G capabilities ensure you experience the fastest available network. If the dual embedded cellular WANs are not enough, the MBX Mini can be expanded to FOUR cellular WANs by simply connecting it to our MAX Adapters via the dual USB ports.

Making hard to manage feel like hardly managing.

With this FusionSIM-ready router, you can say goodbye to switching and managing multiple SIMs via the router. FusionSIM offers remote provisioning of SIM profiles from anywhere in the world. Managing made easy, ready when you are!

MBX Mini

Wi-Fi WAN

Wi-Fi AP

2x 5G embedded modems

4x PoE LAN ports

2x USB WAN ports

Redundant power inputs

Specifications

WAN Interface	2x Embedded Cellular Modems with Redundant SIM Slots 2x GE 2x USB 2.0 Interface	**Power Consumption**	45 W (max.)
LAN Interface	4x GE	**Dimension**	7.32 x 8.05 x 1.61 inches 186 x 204.5 x 41 mm
Wi-Fi Interface	802.11ac/a/b/g/n, 1166 Mbps 2x2MIMO Wi-Fi WAN and/or AP Simultaneous Dual-Band	**Weight**	4.19 pounds / 1.9 kg
Router Throughput	2.5 Gbps	**Operating Temperature**	-40°– 149°F / -40°– 65°C
PepVPN Throughput (No Encryption)	600 Mbps	**Humidity**	15% – 95% (non-condensing)
PepVPN Throughput (256-bit AES)	500 Mbps	**Certifications**	FCC, CE, RoHS, E-Mark, PTCRB Shock and Vibration Resistance: EN 61373:1999 IEC 61373:1999 Railway Applications: EN 50155 Electromagnetic Compatibility: EN 61000
5G Cellular Data Rate (Downlink/Uplink)	5G: 4 Gbps / 700 Mbps LTE CAT-20: 2 Gbps / 150 Mbps	**Package Content[3]**	MBX Mini, PSU 180W (ACW-630), 4x Dual-Band Wi-Fi Antennas (ACW-341) 1x QMA to SMA Adapter (for GPS), 1x GPS Antenna (ACW-232), Power cord, 1 Pair of Ear L-Mounts kit (ACW-756), Screw set of Ear L-Mounts kit, 3pin Terminal Block Connector (Ignition Sense), 4pin Terminal Block Connector (Power Supply), Rubber Foot Pad set
SpeedFusion features	Hot Failover, WAN Smoothing, Bandwidth Bonding, Bandwidth Overflow		
Number of PepVPN SpeedFusion Peers	2/20[1]		
Recommended Users	50-500		
Antenna Connectors	8x QMA Cellular Antenna Connectors 1x QMA GPS Antenna Connector 4x RP-SMA Wi-Fi Antenna Connectors	**Warranty**	1-Year Limited Warranty
Power Input	DC Jack / Terminal Block: 12-56 V	**US Carrier Certifications**	Verizon[4], T-Mobile[4], AT&T
Power Output	Up to 4x 802.3at PoE[2]		

[1] Requires a license to increase the maximum number of PepVPN/SpeedFusion Peers. Several options are available based on the model 5, 10 or 20 peers (PVN-LC-05, PVN-LC-10, PVN-LC-20). [2] 1x 54V DC input is needed for all 4x LAN ports to have 802.3at PoE. [3] *Cellular antennas not included. To enhance the MBX Mini, Mobility and Maritime antennas are recommended. [4] Certification Pending.

Ordering information

Product Code	Description	Embedded Modems	Carrier/ Categories	5G Bands	LTE Bands
MAX-MBX-MINI-5GH-T	MBX Mini	2	America/5G	**5G (NSA) Sub 6Ghz:** n1, n2, n3, n5, n28, n41, n66, n71, n77, n78, n79 **5G (SA) Sub 6Ghz:** n77, n78, n79	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, B48, B66, B71
MAX-MBX-MINI-5GD-T	MBX Mini	2	Global/5G	**5G (NSA) Sub 6Ghz:** n1, n2, n3, n5, n7, n8, n12, n20, n28, n38, n41, n66, n71, n77, n78, n79	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, B48, B66, B71

Feature Add-on

Product Code	Description
PVN-LC-05	Up to 5 SpeedFusion Bonding License Key for MBX Mini
PVN-LC-10	Up to 10 SpeedFusion Bonding License Key for MBX Mini
PVN-LC-20	Up to 20 SpeedFusion Bonding License Key for MBX Mini

peplink | PEPWAVE