

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 5G. 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 5G 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.





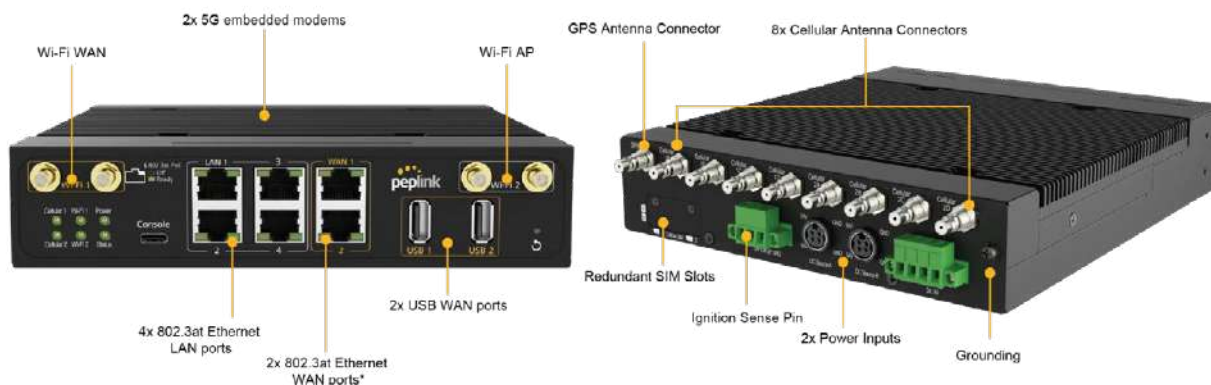
One. Two. Three. Four.

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 5G 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!



*Power over Ethernet (PoE) output on WAN ports will be supported with Firmware 8.4.0 or above.

SPECIFICATIONS

- **WAN Interfaces:** 2x Embedded Cellular Modems with Redundant SIM Slots, 2x GE, 2x USB 2.0 Interface
- **LAN Interface:** 4x GE
- **Wi-Fi Interface:** 802.11ac/a/b/g/n, 1166 Mbps 2x2MIMO Wi-Fi WAN and/or AP, Simultaneous Dual-Band
- **Router Throughput:** 2.5 Gbps
- **PepVPN Throughput (No Encryption):** 600 Mbps
- **PepVPN Throughput (256-bit AES):** 500 Mbps
- **5G Cellular Data Rate (Downlink / Uplink):**
5G: 3.4 Gbps / 900 Mbps,
LTE CAT-20: 1.6 Gbps / 200 Mbps
- **SpeedFusion features:** Hot Failover, WAN Smoothing, Bandwidth Bonding, Bandwidth Overflow
- **Number of PepVPN SpeedFusion Peers:** 3/20¹
- **Recommended Users:** 50-500
- **Antenna Connectors:** 8x QMA Cellular Antenna Connectors, 1x QMA GPS Antenna Connector, 4x RP-SMA Wi-Fi Antenna Connectors
- **Power Input:** AC Adapter: AC Input 100V-240V / DC Output 12V, DC Jack / Terminal Block: 12-56 V
- **Power Output:** Up to 4x 802.3at PoE²
- **Power Consumption:** 45 W (max.)
- **Dimensions:** 186 x 204.5 x 41 mm
- **Weight:** 1.9 kg
- **Operating Temperature:** -40° – 65 °C
- **Humidity:** 15% – 95% (non-condensing)
- **Certifications:** FCC, CE, RoHS, E-Mark, PTCRB, Shock & Vibration Resistance: EN 61373:1999 IEC 61373:1999, Railway Applications: EN 50155, Electromagnetic Compatibility: EN 61000
- **Warranty:** 1-Year Limited Warranty
- **Package Content³:** MBX Mini 5G, 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

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. 2x 54V DC input is needed for all 6x LAN/WAN ports to provide 802.3at PoE. Plugging in 1x 54V DC input will result in 4x LAN ports providing 802.3at PoE. PoE output on WAN ports will be supported with Firmware 8.4.0 or above.
3. Cellular antennas not included. To enhance the MBX Mini, Mobility and Maritime antennas are recommended.



ORDERING INFORMATION

Product Code	Embedded Modems	Regions	5G Bands	LTE Bands
MAX-MBX-MINI-5GD-T	2x 5G	Global	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