RISING CONNECTION

peplink | PEPWAVE

5G Quad Cellular Mobile Powerhouse

MAX HD4 MBX 5G

5G

RCM Approved

PEPWAVE MAX cellular router

Wi-Fi 1

Cellular 1 Cellular 3 Wi-Fi 1 Power

Cellular 2 Cellular 4 Wi-Fi 2 Status

WAN 1   2   3 / LAN 9

LAN 1   3   5   7

2   4   6   8

802.3at PoE
Off
Ready

USB 1   USB 2
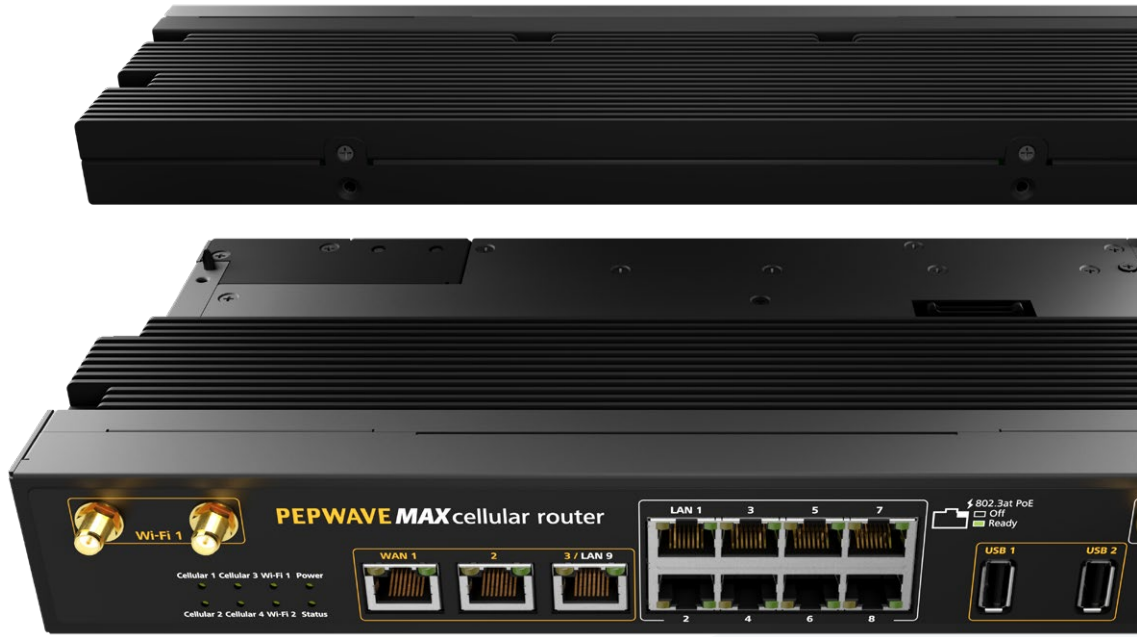
Best of both worlds

HD4 MBX 5G is a quad cellular mobile powerhouse with redundant SIM slots and multi-radio capabilities providing speed, reliability, and coverage by combining the best of 5G and LTE.
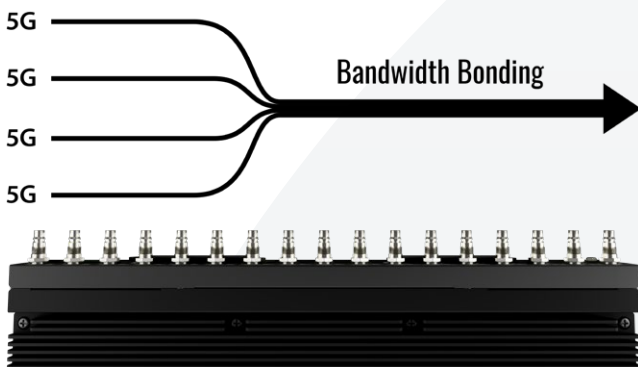
5G
5G
5G
5G

Bandwidth Bonding

Portability

Its compact form allows it to be deployed in a wide variety of situations such as vehicles, vessels, and branch networks.
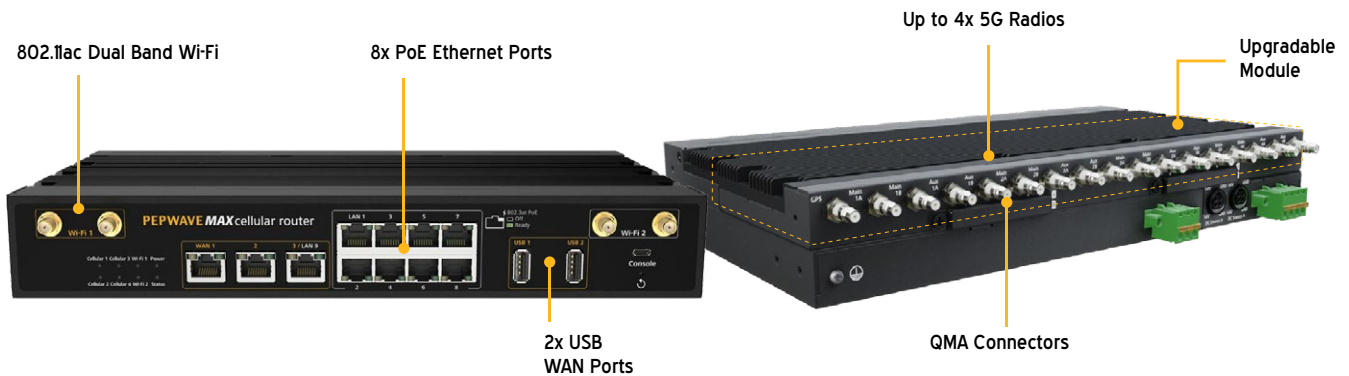
Compatibility with SIM injector

Its compatibility allows for upgradable modules for further customisation to suit any deployment needs.

Optimise your traffic

Whether you need speed or cost-effectiveness, use Traffic Steering to guide each packet to the most suitable connection.

802.11ac Dual Band Wi-Fi

8x PoE Ethernet Ports

Up to 4x 5G Radios

Upgradable Module

PEPWAVE **MAX** cellular router

2x USB WAN Ports

QMA Connectors

SPECIFICATIONS

- **WAN Interfaces:** 4x Embedded Cellular Modems with Redundant SIM Slots, 3x GE*, 2x USB 2.0 Interface

- **LAN Interface:** 9x 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: 4 Gbps / 700 Mbps, LTE CAT-20: 2 Gbps / 150 Mbps

- **Recommended Users:** 50-500

- **Antenna Connectors:** 16x QMA Antenna Connectors, 1x QMA GPS Antenna Connector, 4x RP-SMA Wi-Fi Antenna Connectors

- **Power Input:** DC Jack/Terminal Block: 12-56 V#

- **Power Output:** Up to Eight 802.3at PoE Outputs#

- **Power Consumption:** 55 W (max.)

- **Dimensions:** 43 x 292 x 177 mm

- **Weight:** 3.3 kg

- **Operating Temperature:** -40° – 65°C

- **Humidity:** 15% – 95% (non-condensing)

- **Warranty:** 1-Year Limited Warranty

- **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

- **Package Content:** MAX HD4 MBX, PSU 180W (ACW-630), 1x QMA to SMA Adaptor (for GPS), 1x GPS Antenna (ACW-232), 1 Pair of Mounting Brackets (ACW-513), 4x Dual Band Wi-Fi Antennas (ACW-341), 3pin Terminal Block Connector (Ignition sense), 4pin Terminal Block Connector (Power supply), Grounding cable, Rubber Foot Pad set

  Note: Cellular antennas not included. To enhance the MBX, Puma antennas are recommended.

* WAN 3 is configured as a LAN port by default, configuration is changeable on the Web Admin.
# 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.
@ Theoretical maximum data rates.
Available globally. Regional and carrier certification is subject to local approval.

EXPANSION MODULE FOR HD4 MBX

Up to 4x 5G Radios

QMA Connectors

SPECIFICATIONS

- **Interface:** 4x Embedded Cellular Modems with Redundant SIM Slots

- **Antenna Connectors:** 16x QMA Antenna Connectors, 1x QMA GPS Antenna Connector

- **5G Cellular Data Rate@ (Downlink / Uplink):** 5G: 4 Gbps / 700 Mbps, LTE CAT-20: 2 Gbps / 150 Mbps

- **Dimensions:** 22 x 292 x 88 mm

- **Weight:** 1 kg

@ Theoretical maximum data rates.
Available globally. Regional and carrier certification is subject to local approval.

ORDERING INFORMATION

Product Code	Description	Embedded Modems	Carrier/ Categories	5G Bands	LTE Bands
MAX-HD4-MBX-5GD-T	HD4 MBX 5G with 4x 5G modems	4	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
EXM-MBX-T4-5GD	Expansion Module for HD4 MBX 5G with 4x 5G modems	4	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

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FEATURE ADD-ON

Product Code	Description
ACW-630	Includes 1x 54V, 3.34A Power Supply. Enable 4x LAN with 802.3at PoE output (PoE License automatically applied after kit purchase)
ACW-633	Includes 2x 54V, 3.34A Power Supply. Enables 8x LAN with 802.3at PoE output (PoE License automatically applied after kit purchase)
MAX-HD-020-SPF	Supports up to 20 PepVPN/SpeedFusion Peers
SFN-LC-50	Up to 50 SpeedFusion Bonding License Key for MAX HD4 MBX 5G
SIM-BK8-4E-56V	SIM Injector, 8x SIM cards capacity, 4x 10/100/1000 LAN ports, 56V DC
ANT-MB-42G-Q-W-6	7-in-1 Cellular and Wi-Fi Antenna System with GPS Receiver (White)
ANT-MB-40G-Q-B-6	5-in-1 Cellular Antenna System with GPS Receiver (White)
ANT-MB-40G-Q-W-6	5-in-1 Cellular Antenna System with GPS Receiver (Black)

Why Rising Connection is using equipment designed and built by Peplink?

- Industry leader in both ISP & Data Bonding across multiple technology platforms
- Reliable hardware from entry level professional equipment through to advanced Enterprises solutions
- Worldwide supported and local support here in Australia by fully trained technicians
- Reliable and secure redundancy paths for mission critical sites
- Designed for maximum possible business uptime

This demonstrates to Rising Connection that you will have the Quality, Reliability and Product Support.