THE ULTIMATE e3 HYBRID SOLUTION

VSAT • Starlink • OneWeb • L-Band • 4&5G

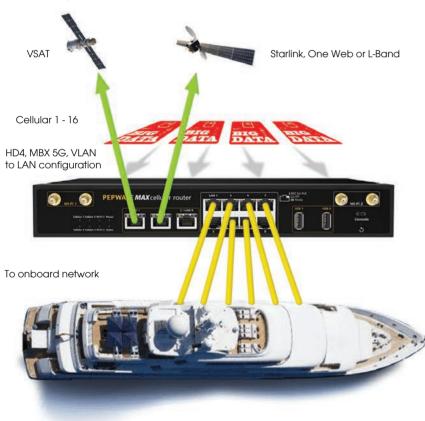
HD4 MBX 5G SET-UP TO PROVIDE AN UNBREAKABLE AND SEAMLESS 4G, 5G AND SATELLITE SOLUTION

This is the ultimate configuration using the HD4 MBX. It provides 4 dedicated cellular connections dedicated for separate user groups or VLANs such as: the owner, guests, crew and office.

With 4 modems with twin SIM slots allowing 4 master SIMs with 4 for seamless failover to which, an optional, 8 other failover SIMs can be added totalling a massive 4 master SIMs with 12 failover SIMs.

This provides the highest level of seamless 4G and 5G failover possible to eliminate any blind spots. It will work best if four different service provider SIMs are used. The above cellular configuration can be extended by connecting combinations of VSAT, Starlink, One Web and even L Band satellite connectivity to the two WAN ports on the HD4 MBX. So once out of range of 5G and 4G it will seamlessly failover to satellite.

HD4 Configuration



The above configuration can also be extended by connecting VSAT, Starlink, OneWeb and even L Band satellite connectivity to the two WAN ports on the HD4 MBX. So once out of range of 5G and 4G it will seamlessly failover to VSAT, Starlink or OneWeb or L-band (eg Iridium).

ANTENNAS

All these solutions are compatible with Poynting Omni 414 single antennas and are 5G ready.

The antennas recommended for the solutions above are as follows:

BR1 Pro 5G 2 x 414 antennas

MAX HD1 4&5G Dome 4 x 4 internal MIMO cellular antennas

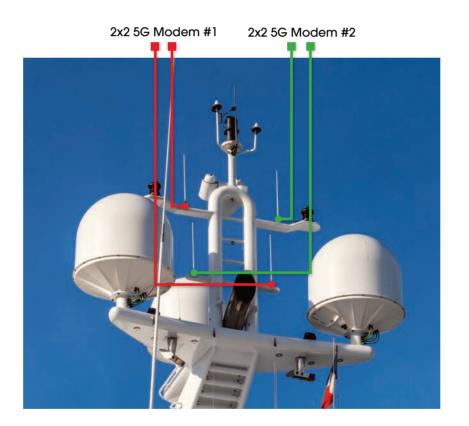
2 x 2 internal MIMO wifi antennas are incorporated

in the dome

HD4 MBX 5G 4 x 414 (4 x 4) 414 MIMO antennas

Ideal configuration for Dual 2x2 LTE Router. EXAMPLE: 4 x OMNI-414

The perfect external antenna installation layout if using 4x OMNI-414's.







Connectivity on the move



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BIG DATA 4&5G SOLUTIONS with PEPWAVE

When Pepwave's Unbreakable Connectivity joins with e3's HYBRID services, a fantastic range of maritime connectivity solutions are born.





SMALL 4&5G SOLUTION

The Pepwave Max BR1 Pro 5G is a simple 4G/5G solution for any vessel. It features a single modem with twin SIM slots, that can accommodate SIMs from, the same or preferably, different providers which provides automatic failover if the signal is lost from the first SIM.

PEPWAVE MAX BR1 Pro 5G: ROUTER PRICE: € 1,490.00



This is 800% faster than the BR1 Classic and is a robust and reliable solution and is successfully used on over 200 of our vessels.

5G and cellular data rate

5G: 4Gbps/700Mbps LTE: 2 Gbps / 150 Mbps

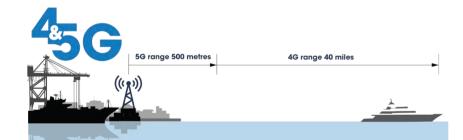
21 dBm / 22 dBm

Transmit Power (2.4GHz) / (5GHz)

1 - 50

Recommended Users
Router Throughput

400 Mbps



SMALL TO MEDIUM INTEGRATED 4&5G DOME SOLUTION

The Pepwave MAX HD1 Dome Pro is the next step up and is an ideal solution for sailing yachts but can be used equally well on a motor yacht. It incorporates a single 5G cellular modem with redundant SIM slots, providing automatic failover on the modem all encapsulated in a small IP67 dome.

It benefits from easy installation as just one CAT 5 or 6 cable needs to be run down the mast. The modem and antennas are integrated into the dome itself, therefore no additional antennas are required. Also available is a SIM injector for installation below decks supporting 8 additional SIMs, so no need to go up the mast to change SIMs.

PEPWAVE HD1 DOME PRO WITH SIM INJECTOR



Embedded 5G modem & antennas with redundant SIM slots

SIM Injector LAN Interface Dimensions

Operating Temperature Humidity 8x Active SIM Slots, Standard Size 4x GE, PoE 802.3at Support 1.6 x 5.8 x 5 inches | 40 x 147 x 128 mm -40° - 149°F | -40° - 65°C 15% - 95% (non-condensing)

LARGE SOLUTION MODULAR 4&5G SOLUTION

The Pepwave HD4 MBX 5G mobile router is capable of combining the bandwidth of up to 4x 4G LTE and 5G cellular links, plus a built-in 8 port switch to reduce the amount of additional equipment and cabling required.

The four modems with twin SIM slots support 8 SIMs with an additional 8 when using the optional SIM injector, as above. With 16 SIMs this provides automatic fail over to eliminate any blind spots.

External antennas, cabling and SIM injector are not included.

PEPWAVE HD4 MBX 5G: PRICE € 11,999.00



5G/LTE embedded modems Cellular Data Rate Down/Up

Router Throughput
Recommended Users

5G: 4 Gbps/700 Mbps LTE: 600 Mbps/150 Mbps

802.11ac/a/b/g/n, 1166 Mbps 2×2 MIMO Wi-Fi WAN and/or AP Simultaneous Dual-Band

2.5 Gbps 50 - 500

