

## MOBILE EXPANDER

4G BOOSTER  
S E R I E S



Mobile Expander is a device that will expand Yacht Router with additional mobile network modem. It is designed for vessels that are cruising in areas with different mobile network bands. In a combination with Yacht Router you will get worldwide coverage for almost all available mobile network bands. Mobile Expander is perfect solution for blue-water cruisers circumnavigating the World. Mobile Expander can also be useful on mid-sized yachts with Yacht Router Mini or Standard in a situations when you want to use separate SIM cards for different Vessel Networks (e.g. Owner and Crew).

- High power 4G/3G/2G module (30+ Nautical miles<sup>1</sup>)
- Compatible with all Yacht Router models (except Pro)
- Available as Americas and Europe/Africa/Asia/Oceania version
- Online Remote Support
- Wide range DC power input (10-30 V)



Mobile Expander back panel.

<sup>1</sup> Achieved with 9dBi outdoor antenna. As actual range depends on many factors Locomarine d.o.o. DOES NOT guarantee specified range of connectivity.

## Specifications

### WAN, LAN, Backbone networks

Ethernet WAN ports: not available  
Ethernet LAN ports: not available  
Backbone LAN ports: 1  
Dedicated Mobile Expander Pro port: not available  
Max. data rate on WAN/LAN/Backbone (per port): 100 Mbps

### Extenders, Expanders, Controller support

WiFi Extender support: no  
Max. number of supported WiFi Extenders: not available  
Mobile Expander support: no  
LAN Expander support: no  
Touch Screen Controller support: no  
PoE injector power outputs: not available

### Vessel-to-Shore WiFi booster

Not available.

### Client-to-Vessel WiFi

Not available.

### Mobile network

Integrated modems: 1  
**Europe/Africa/Asia/Oceania modem:**  
LTE/4G freq. (MHz): 2100 (B1), 1900 (B2), 1800 (B3), AWS (B4), 850 (B5), 2600 (B7), 900 (B8), 800 (B20)  
WCDMA freq. (MHz): 2100 (B1), 1900 (B2), 900 (B8), 850 (B26)  
GSM/GPRS/EDGE freq. (MHz): 850, 900, 1800, 1900  
**Americas modem:**  
LTE/4G freq. (MHz): 700 (B17), AWS (B4), 2100 (B1)  
WCDMA freq. (MHz): 800 (B6), 850 (B5), 1900 (B2), 2100 (B1)  
GSM/GPRS/EDGE freq. (MHz): 850, 900, 1800, 1900  
Max. download rates (Mbps): 150  
Max. upload rates (Mbps): 50  
Max. transmit power in LTE/4G (dBm): 23  
Max. transmit power LTE/4G (mW): 200  
Max. transmit power in WCDMA (dBm): 23.5  
Max. transmit power WCDMA (mW): 224  
Max. transmit power in GSM/GPRS/EDGE (dBm): 32.5  
Max. transmit power GSM/GPRS/EDGE (mW): 1778  
SIM card slots: 1  
SIM card size: standard GSM (ID-000)  
Sensitivity of included antenna (dB): 2  
Antenna connector type (on device): N-type female

### Power, environment and dimensions

DC power supply input range (V): 10-30  
AC power supply input range (V): not available  
Automatic switching AC-DC power controller: not available  
Regulated DC power outputs: not available  
Max. power consumption at 12 V (W, without WiFi Extenders): 14  
Operating temperature range (°C): -10 to +60  
Operating humidity range (% non-condensing): 5-95  
Enclosure material: aluminium  
Enclosure mount type: wall  
IP Protection: IP50  
Dimension (mm, WxDxH, without antennas): 150 x 204 x 52

### Software features

Hotspot: not available  
Hotspot supported on Client-to-Vessel WiFi networks: not available  
WAN Auto-switching: not available  
Online Remote Support: yes  
Selectable WAN source for each vessel network: not available  
Detailed usage statistics: yes  
Flexible assigning of LAN ports to vessel WiFi networks: not available  
Customizable WiFi power output: not available  
Mobile Network Bonding: no

### Cloud Service

Available remote user accounts: not available  
Number of reachable on-board devices: not available

### Ordering information (package)

Europe/Africa/Asia/Oceania version code: LYR-MSB-P  
Americas version code: LYR-MSB-P-A

Local Dealer: