



MOBILE EXPANDER PRO

Mobile Expander Pro is a device that will expand Yacht Router Pro 4G Booster with three additional mobile network modems. If you want to avoid constant mobile SIM card changing while cruising in different areas this is the best solution for you. Moreover, it can be ordered in combination of modems dedicated to different mobile network bands to get worldwide coverage. Mobile Expander Pro is equipped with Mobile Network Bonding feature that will significantly increase upload and download data rate.

- High power 4G/3G/2G module (30+ Nautical miles¹)
- Mobile Networks Bonding feature for bandwidth expansion
- Can be ordered in combination of modems dedicated to different mobile network bands to get worldwide coverage
- 19" 1U rack enclosure
- powered directly from Yacht Router Pro



Back panel of Mobile Expander Pro.



Mobile Expander Pro in combination with LAN Expander Pro and Yacht Router Pro.

¹ 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: yes
Max. data rate on WAN/LAN/Backbone (per port): 1 Gbps

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: yes (via Yacht Router Pro)
Regulated DC power outputs: 1
Max. power consumption at 12 V (W, without WiFi Extenders): 20
Operating temperature range (°C): -10 to +60
Operating humidity range (% non-condensing): 5-95
Enclosure material: steel
Enclosure mount type: 19" rack
IP Protection: IP40
Dimension (mm, WxDxH, without antennas): 483 x 328 x 45

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: yes

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-MEB-P
Americas version code: LYR-MEB-P-A
Note: Mobile Expander 4G can be ordered as a combination of Europe/Africa/Asia/Oceania and Americas version

Local Dealer: