

MICRO

4G BOOSTER
S E R I E S



Yacht Router Micro is intended for installation on smaller boats and yachts without satellite Internet source (VSAT, Inmarsat, Iridium etc). It will provide the ability to establish single vessel WIFI network (Client-to-Vessel) which you will be able to connect to other WIFI networks (e.g. marina WIFI Hotspots) or mobile networks (2G/3G/4G).

- High power WIFI Booster for long distance connectivity (15+ Nautical miles¹)
- High power 4G/3G/2G module (30+ Nautical miles²)
- 1x Client-to-Vessel WIFI network
- 1x Backbone LAN port
- Mobile Expander support
- LAN Expander support
- Online Remote Support
- Cloud Service compatible
- Wide range DC power input (10-30 V)
- Replacement for GoFree™ (Simrad, Lowrance, B&G)
- Replacement for Garmin WIFI Adapter Kit
- FURUNO NavNet, Maretron, SONOS and similar systems compatible



Yacht Router Micro is equipped with Vessel-to-Shore WIFI Booster for simple installation and zero coax cable signal loss. WIFI Booster is powered directly from Yacht Router via Power-over-Ethernet cable injector.

¹ Achieved with 9dBi outdoor antenna and VIP mobile provider. As actual range depends on many factors Locomarine d.o.o. DOES NOT guarantee specified range of connectivity.

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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): 1 Gbps

Extenders, Expanders, Controller support

WiFi Extender support: no
Max. number of supported WiFi Extenders: not available
Mobile Expander support: yes
LAN Expander support: yes
Touch Screen Controller support: yes
PoE injector power outputs: 1

Vessel-to-Shore WiFi booster

Power-over-Ethernet: yes (8-30 VDC)
Supported standards: b/g/n
Max. data rates (Mbps): 108
Max. transmit power (dBm): 32
Max. transmit power (mW): 1600
Sensitivity of included antenna (dB): 6
Antenna connector type (on device): N-type female
Dimension (mm, WxDxH, without antenna): 45 x 45 x 180

Client-to-Vessel WiFi

Max. number of networks: 1
Supported standards: b/g/n
Max. data rates (Mbps): 300
Max. transmit power (dBm): 30
Max. transmit power (mW): 1000
Sensitivity of included antenna (dB): 2
Antenna connector type (on device): N-type female

Mobile network

Integrated modems: 1
Europe/Africa/Asia/Oceania modem:
LTE freq. (MHz): 800 (B20), 900 (B8), 1800 (B3), 2100 (B1), 2600 (B7)
WCDMA freq. (MHz): 900 (B8), 2100 (B1)
GSM/GPRS/EDGE freq. (MHz): 900, 1800, 1900
Americas modem:
LTE 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): 100
Max. upload rates (Mbps): 50
Max. transmit power in LTE/4G (dBm): 24
Max. transmit power LTE/4G (mW): 250
Max. transmit power in WCDMA (dBm): 24
Max. transmit power WCDMA (mW): 250
Max. transmit power in GSM/GPRS/EDGE (dBm): 33
Max. transmit power GSM/GPRS/EDGE (mW): 2000
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 for internal unit (°C): -10 to +60
Operating temperature range for WiFi Booster (°C): -30 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 175 x 52

Software features

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

Cloud Service

Available remote user accounts: 1
Number of reachable on-board devices: unlimited

Ordering information (package)

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

