

## PRO

4G BOOSTER  
S E R I E S



Yacht Router Pro is designed for installation on larger boats and mega-yachts. It can operate with multiple satellites Internet sources (VSAT, Inmarsat, Iridium etc) and is equipped with features for demanding clients. It will provide the ability to establish multiple vessel WIFI/LAN networks (Client-to-Vessel) which you will be able to independently and simultaneously connect to other WIFI networks (e.g. marina WIFI Hotspots), mobile networks (4G/3G/2G) or satellite Internet equipment. Yacht Router Pro is platform instead of boxed product; it can be set to flawlessly operate with multimedia servers, IP cameras, remote vessel monitoring, Ethernet radars and navigation equipment etc.

- High power WIFI Booster for long distance connectivity (15+ Nautical miles<sup>1</sup>)
- High power 4G/3G/2G module (30+ Nautical miles<sup>2</sup>)
- 9x Client-to-Vessel WIFI/LAN network
- Hotspot on 8 vessel WIFI networks
- 2x WAN port (for satellite Internet equipment)
- 6x LAN port (customizable)
- 5x Backbone LAN port
- Multiple WIFI Extenders supported
- Mobile Expander Pro support
- LAN Expander Pro support
- Online Remote Support
- Cloud Service compatible
- Automatic switching wide range AC-DC power controller (AC + DC power input)
- 19" 1U rack enclosure
- Replacement for GoFree™ (Simrad, Lowrance, B&G)
- Replacement for Garmin WIFI Adapter Kit
- FURUNO NavNet, Maretron, SONOS and similar systems compatible



Yacht Router Pro is equipped with multiple Backbone ports if you want to expand with Mobile Expander Pro, LAN Expander Pro or WIFI Extenders. All those devices can be powered directly from Yacht Router Pro unit.

<sup>1</sup> 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.

<sup>2</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: 2  
 Ethernet LAN ports: 6  
 Backbone LAN ports: 5  
 Dedicated Mobile Expander Pro port: yes  
 Max. data rate on WAN/LAN/Backbone (per port): 1 Gbps

### Extenders, Expanders, Controller support

WiFi Extender support: yes  
 Max. number of supported WiFi Extenders: unlimited  
 Mobile Expander support: yes (Mobile Expander Pro only)  
 LAN Expander support: yes  
 Touch Screen Controller support: yes  
 PoE injector power outputs: 5

### Vessel-to-Shore WiFi booster

Power-over-Ethernet: yes (8-30 VDC)  
 Supported standards: a/b/g/n/ac  
 Max. data rates (Mbps, 1-1 ant.): 433  
 Max. transmit power (dBm): 31  
 Max. transmit power (mW): 1300  
 Sensitivity of included antenna (dB): 2  
 Antenna connector type (on device): N-type female  
 Dimension (mm, WxDxH, without antenna): 45 x 45 x 180

### Client-to-Vessel WiFi

Not included. Available via WiFi Extenders (check specifications).  
 Max. number of networks: 9

### 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): 90-240  
 Automatic switching AC-DC power controller: yes  
 Regulated DC power outputs: 2  
 Max. power consumption at 12 V (W, without WiFi Extenders): 34  
 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: steel  
 Enclosure mount type: 19" rack  
 IP Protection: IP40  
 Dimension (mm, WxDxH, without antennas): 483 x 328 x 45

### Software features

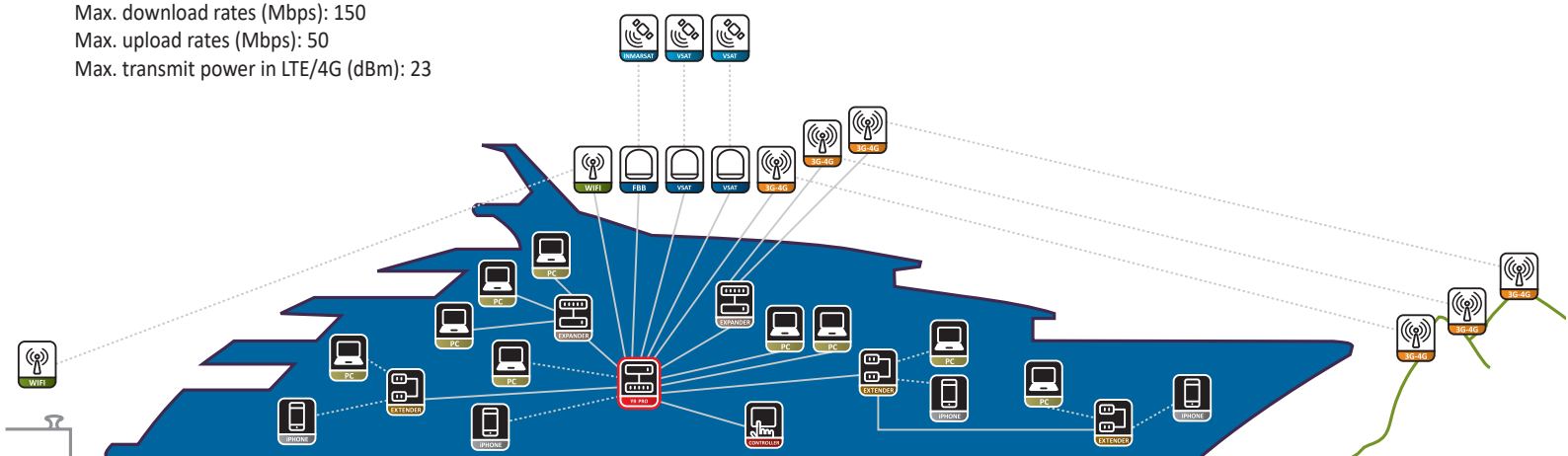
Hotspot: yes  
 Hotspot supported on Client-to-Vessel WiFi networks: 8  
 WAN Auto-switching: yes  
 Online Remote Support: yes  
 Selectable WAN source for each vessel network: yes  
 Detailed usage statistics: yes  
 Flexible assigning of LAN ports to vessel WiFi networks: yes  
 Customizable WiFi power output: yes  
 Mobile Network Bonding: yes (via Mobile Expander Pro)

### Cloud Service

Available remote user accounts: 10  
 Number of reachable on-board devices: unlimited

### Ordering information (package)

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



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