YACHT ROUTER

Locomarine

MINI
SERIES 6

The easiest way to stay online.

Yacht Router Mini is designed for installation on vessels with single satellite Internet sources. It will provide the ability to establish two vessel WIFI networks (e.g. Owner, Crew). Each Vessel Network can be simultaneously connected to same or different Internet source. (e.g. Owner network via Starlink, while in the same time Crew network via 5G mobile network. For larger vessels where single WIFI/LAN access point is not enough to cover all vessel areas, multiple Network Extender modules can be installed.

Performance
Extremely fast, safe, powerful.

• 1x SAT port (for satellite Internet systems, ADSL, mobile routers)
• Integrated Sub-6 GHz 3G/4G/5G global modem (3.4 Gbps/900 Mbps upload/download)
• 4 mobile antenna connectors (4x4 MIMO)
• Optional WIFI Booster for long distance WIFI (10+ NM)
• 2x Vessel WIFI network
• 2x Vessel Network Ethernet port (LAN)
• 2x Backbone Ethernet port
• 2,4 + 5 GHz high power WIFI (b/g/n/ax/ac)
• Multiple Network Extender support
• Online Remote support
• Free Remote Tracking and Anchor alarm
• Wide range DC power input (10-30 V)
• Compatible with Furuno, Lowrance, Simrad, B&G, Maretron, Sonos, Apple Airplay and other IP based systems

Long range WIFI
Use WIFI on your favourite anchorage.

As an option to Yacht Router Mini you can add powerful WIFI Booster for long-range WIFI connection to shore WIFI networks (e.g. marina hotspot). WIFI Booster is waterproof Power-Over-Ethernet device that you can install directly on a mast or radar arch. As you can attach WIFI antenna directly to the WIFI Booster there is no coax cable signal loss. With optional high gain outdoor antenna, you can expect up to 10 NM connection, even more in good conditions.

User friendly control
Simple for everyone.

The most important part of Yacht Router solution is Control application. It is available for Windows, iPad, iPhone and Android. Dedicated application is designed by professionals specialized in yacht communication systems in collaboration with yacht captains. The result is a system that is very simple to control and maintain.

Free GPS tracking and anchor alarm
Let your family and friends know where you are.

With free Remote Tracking service, you can see the location of your vessel whenever it is connected to the Internet. As Yacht Router Mini is equipped with GNSS receiver there is no need for additional hardware or paid subscription. In addition to Tracking service, you can set Anchor alarm that will send notification on your phone.

Remote support
Support really matters. Sailors know that.

Whenever you have a problem setting up, or using your Yacht Router, our Support Team can remotely connect for help. No, need for dedicated software or subscription service, just a simple click on remote Support button in Yacht Router Control software.

YACHT ROUTER
MINI
SERIES 6

WAN, LAN, Backbone ports
Total number of Ethernet ports: 5
Ethernet Satellite WAN ports: 1
Ethernet Vessel Networks (LAN) / Backbone ports: 4
Max. data rate on each Ethernet port: 1 Gbps

Add-on Modules support
WIFI Booster: 1
Mobile Expander: 1
Network Extender: 5
NMEA0183 to Ethernet converter: yes
NMEA2000 to Ethernet converter: yes

Vessel networks (WIFI/LAN)
Max. number of networks: 2
Supported standard: 2.4 GHz (b/g/n/ax), 5 GHz (a/n/ac/ax)
Max. WIFI data rates on 2.4 GHz: 574 Mbps
Max. WIFI data rates on 5 GHz: 1200 Mbps
Max. WIFI transmit power on 2.4 GHz: 29/794 dBm/mW
Max. WIFI transmit power on 5 GHz: 33/1995 dBm/mW
Sensitivity of antennas (2.4/5 GHz): 4/4 dB

Mobile Networks
Integrated modems: 1
SIM card slots: 2
SIM card size: Nano SIM
Antenna connector type (on device): 4 SMA female (4x4 MIMO)
Sensitivity of included antennas: 4 dB
Coverage: global
3G category: R8 (42 Mbps downlink, 5.76 Mbps uplink)
4G category: 20 (1.6 Gbps downlink, 200 Mbps uplink)
5G category: 5G SA Sub-6 (2.4 Gbps downlink, 900 Mbps uplink)
                5G NSA Sub-6 (3.4 Gbps downlink, 550 Mbps uplink)
3G bands: 1/2/4/5/8/19 (2100/1900/1700/850/900/800)

4G FDD bands: 1/2/3/4/5/7/8/12/13/14/17/18/19/20/25/26/28/29/30/32/66/71 (2100/1900/1800/1700/850/2600/900/700/800/2300/1500/600)
4G TDD bands: 34/38/39/40/41/42/43/48/46 (2000/2600/1900/2300/2500/3500/3700/5200)
5G NR bands: 1/2/3/5/7/8/12/13/14/18/20/25/26/28/29/30/38/40/41/48/66/70/71/75/76/77/78/79 (2100/1900/1800/850/2600/900/700/800/2300/2500/3500/1700/2000/600/1500/3700/4700)

GNSS receiver
Channels: 22 tracking / 66 acquisition
Supported system: GPS/GLONASS/BeiDou/Galileo/QZSS
Sensitivity: -158 dBm
Antenna: no separate antenna - GNSS use mobile antennas

Power, environment and dimensions
DC power supply input range: 10-28 V
Max. power consumption: 23 W
Operating temperature range for internal unit: -40 to +50 °C
Operating humidity range: 5-95 % non-condensing
IP Protection: IP50
Dimension (WxDxH, without antennas): 267 x 97 x 49 mm

Software features
One WAN source (e.g. Starlink, VSAT, FleetBroadband)
Two Vessel Networks (WIFI/LAN)
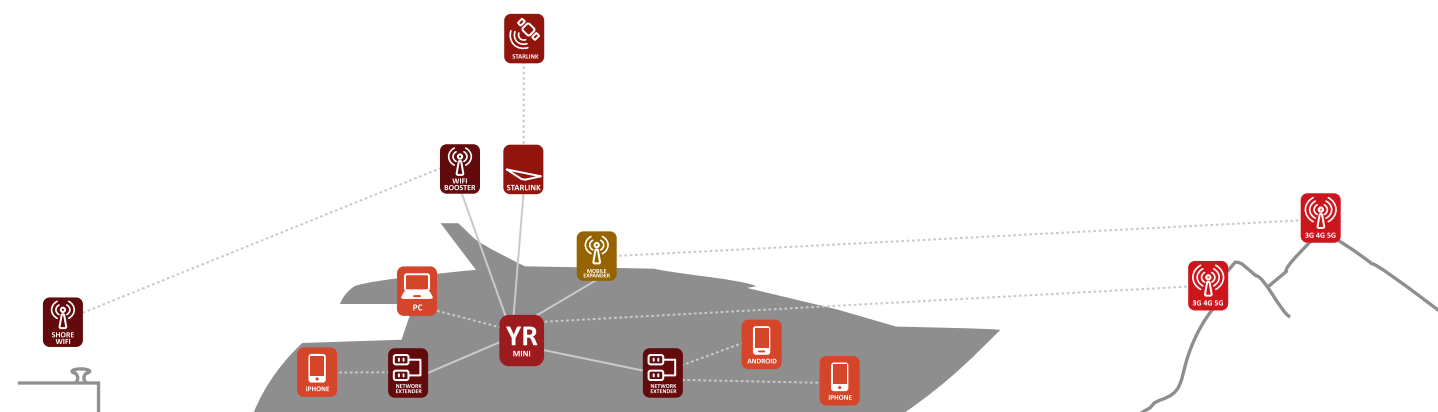Automatic APN
SIM card hot-swap
Anchor alarm
GPS Tracking
Simple Internet source selection
Bandwidth control per user

Ordering information
Yacht Router Mini: LYR-M06B

By default you can connect Yacht Router Mini to 3G, 4G or 5G mobile network of your choice. If you add WIFI Booster, you can also connect to distant shore WIFI networks. If you need to extend Vessel Network coverage you can add multiple Network Extenders.