

MINI SERIES 5

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 networks (e.g. Owner, Crew) as WIFI and cable version. Each Vessel Network can be simultaneously connected to same or different Internet source. For example: you can connect Owner network to the internet via VSAT (using additional satellite equipment), while in the same time Crew network can access Internet over mobile 3G/4G network. For larger vessels where single WIFI access point is not enough to cover all vessel areas, multiple Network Extender modules can be installed.

Performance

Fast, safe, powerful.

- 1x SAT port (for satellite Internet systems, ADSL, mobile routers)
- Integrated global CAT11 3G/4G modem (600/75 Mbps upload/download)
- Optional WIFI Booster for long distance WIFI (10+ NM)
- 2x Vessel WIFI network
- 2x Vessel Network (LAN) Ethernet port
- 2x Backbone Ethernet port
- 2,4 + 5 GHz high power WIFI (b/g/n/a/ac)
- Multiple Network Extender support
- Online Remote support
- Free Remote Tracking and Anchor alarm
- Wide range DC power input (10-30 V)
- Compatible with Garmin, Furuno, Simrad, Lowrance, 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 Micro is equipped with GPS 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.



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: 1
NMEA0183 to LAN converter: yes
Touch Screen Controller: yes

Vessel networks (WIFI/LAN)

Max. number of networks: 2
Supported standard: 2.4 GHz (b/g/n), 5 GHz (a/n/ac)
Max. WiFi data rates on 2.4 GHz: 300 Mbps
Max. WiFi data rates on 5 GHz: 1733 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 integrated antenna (2.4/5 GHz): 1.5/1.5 dB

Mobile Networks

Integrated modems: 1
SIM card slots: 2
SIM card size: Mini SIM
Antenna connector type (on device): 2x SMA female
Sensitivity of included antennas: 4 dB
Coverage: Europe, North America, South America, Asia, Australia, China, Africa
3G category: R9 (42 Mbps downlink, 11.5 Mbps uplink)
4G category: 11 (600 Mbps downlink, 75 Mbps uplink)
3G bands: 1/2/4/5/8 (2100/1900/900/AWS/850)
4G bands: 1/2/3/4/5/7/8/12/13/17/20/25/26/28/29/30/66 (2100/1900/1800/AWS/2600/900/700ac/700c/700bc/800 DD/850/1900/TDD 2600/TDD 2300/US 850 Ext800/ 700 APAC/ US 700de Lower/TDD 2500/2300 WCS/ AWS-3)

GPS receiver

Channels: 22 tracking / 66 acquisition
SBAS: WAAS/EGNOS/MSAS/GAGAN
Sensitivity: -165 dBm
Antenna connector: SMA male
Antenna IP rating: IP67
Antenna cable length: 5 m
Antenna dimension (WxDxH): 48 x 39 x 14 mm

Power, environment and dimensions

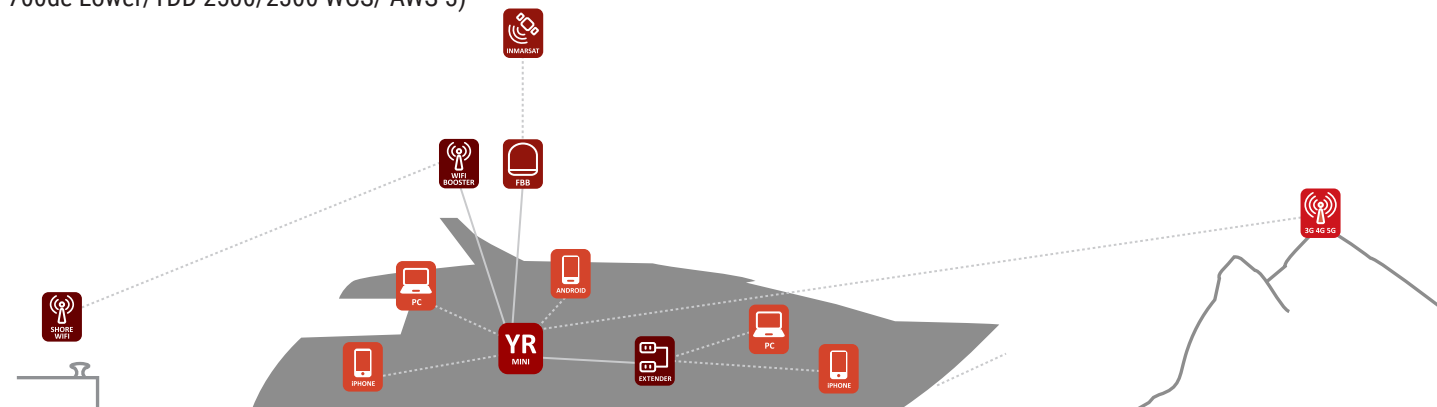
DC power supply input range: 10-30 V
Max. power consumption: 22 W
Operating temperature range for internal unit: -40 to +50 °C
Operating humidity range: 5-95 % non-condensing
IP Protection: IP50
Dimension (WxDxH, without antennas): 205 x 130 x 53 mm

Software features

One WAN source (e.g. VSAT, FleetBroadband)
Two Vessel Networks (WIFI/LAN)
Anchor alarm
Simple Internet source selection
Bandwidth control per user

Ordering information

Yacht Router Mini: LYR-M05



By default you can connect Yacht Router Mini to 3G or 4G 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.