



Yacht Router - Mini _{4G}

Yacht Router Mini 4G is intended for installation on smaller boats and yachts with single satellite Internet source (VSAT, Inmarsat, Iridium etc). It will give you ability to establish two vessel WIFI networks (Client-to-Vessel) that you will be able to independently connect to other WIFI networks (e.g. marina WIFI Hotspots), mobile networks (4G/3G/EDGE/GSM) or your satellite Internet equipment. For larger yacht where single WIFI Access Point is not enough to cover all areas additional WIFI Extender is available.

- ultra high power Vessel-to-Shore network (1600mW, b/g/n)
- high power 4G/3G/2G module (250-2000mW)
- 2x Client-to-Vessel WIFI network (b/g)
- 1x WAN port (for satellite Internet equipment)
- 2x LAN port (100 Mbps)
- 1x Backbone LAN port
- 1x WIFI Extender support
- flexible assigning of LAN ports to vessel WIFI networks
- Online Remote Support
- wide range DC power input (9-18 V)
- wall mount aluminum enclosure
- replacement for GoFree™ (Simrad, Lowrance, B&G) and similar WIFI modules
- SONOS and similar multimedia system compatible
- Cloud Service compatible



Two WIFI antennas and one mobile network antenna.



Small size robust aluminum enclosure.

Specifications



WAN, LAN, Backbone networks

Ethernet WAN ports: 1
Ethernet LAN ports: 2
Backbone LAN ports: 1
Mobile Expander ports: not available
Max. data rate on WAN/LAN/Backbone (per port): 100 Mbps

Expanders and WIFI Extender support

WIFI Extender support: yes
Max. number of supported WIFI Expanders: 1
PoE injector power outputs: not available
Mobile Expander support: no
LAN Expander support: no
Max. number of supported Mobile Expanders: not available
Max. number of supported LAN Expanders: not available
WIFI/LAN Expander DC power outputs: not available

Vessel-to-Shore WIFI

Internal WIFI module: yes
Remote WIFI module (PoE, outdoor): no
Supported standards: b/g/n
Max. data rates (Mbps): 100
Max. transmit power (dBm): 32
Max. transmit power (mW): 1600
Sensitivity of included antenna (dB): 2
Antenna connector type (on device): N-type female

Client-to-Vessel WIFI

Max. number of networks: 2
Supported standards: b/g
Max. data rates (Mbps): 54
Max. transmit power (dBm): 20
Max. transmit power (mW): 100
Sensitivity of included antenna (dB): 2
Antenna connector type (on device): N-type female

Mobile network

Integrated modems: 1
Europe modem LTE freq. (MHz): 800 (B20), 900 (B8), 1800 (B3), 2100 (B1), 2600 (B7)
Europe modem WCDMA freq. (MHz): 900 (B8), 2100 (B1)
Europe modem GSM/GPRS/EDGE freq. (MHz): 900, 1800, 1900
N. America modem LTE freq. (MHz): 700 (B17), AWS (B4), 2100 (B1)
N. America modem WCDMA freq. (MHz): 800 (B6), 850 (B5), 1900 (B2), 2100 (B1)

N. America modem 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): RP-SMA female

Power, environment and dimensions

DC power supply input range (V): 9-18
AC power supply input range (V): not available
Automatic switching AC-DC power controller: no
Max. power consumption (W, without WIFI Expanders): 23
Operating temperature range (°C): -10 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 246 x 72

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: yes
Customizable WIFI power output: yes
Mobile Network Bonding: not available
Cloud Service: yes
Available remote user accounts for private access: 2
Number of on-board devices reachable through public access: 2
Number of on-board devices reachable through private access: unlimited

Ordering information (package)

Europe version code: LYR-M-P
N. America version code: LYR-M-P-NA

