



Yacht Router - Standard 4G

Yacht Router Standard 4G is intended for installation on boats and yachts with single or dual satellite Internet source (VSAT, Inmarsat, Iridium etc). It will give you ability to establish three 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 Extenders are available.

- high power remote Vessel-to-Shore WIFI module (PoE, 500mW, b/g/n, outdoor) for simplified installation and minimum coax cable signal loss
- high power 4G/3G/2G module (250-2000mW)
- 3x Client-to-Vessel WIFI network (b/g)
- Hotspot on single Client-to-Vessel WIFI network (Vessel Network 2)
- 3x LAN port (100 Mbps)
- 2x WAN port (for satellite Internet equipment)
- 3x Backbone LAN port
- 3x PoE injector power outputs
- unlimited number of WIFI Extenders support
- flexible assigning of LAN ports to vessel WIFI networks
- Online Remote Support
- ultra wide range DC power input (6-34 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



Compact aluminum enclosure.



Remote PoE Vessel-to-Shore WIFI Module for zero coax cable loss and simplified remote installation.

Specifications



WAN, LAN, Backbone networks

Ethernet WAN ports: 2
Ethernet LAN ports: 3
Backbone LAN ports: 3
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: unlimited
PoE injector power outputs: 3
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: no
Remote WIFI module (PoE, outdoor): yes
Supported standards: b/g/n
Max. data rates (Mbps): 100
Max. transmit power (dBm): 27
Max. transmit power (mW): 500
Sensitivity of included antenna (dB): 3
Antenna connector type (on device): N-type female

Client-to-Vessel WIFI

Max. number of networks: 3
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/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): RP-SMA female

Power, environment and dimensions

DC power supply input range (V): 6-34
AC power supply input range (V): not available
Automatic switching AC-DC power controller: no
Max. power consumption (W, without WIFI Expanders): 15
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): 212 x 292 x 80

Software features

Hotspot: yes
Hotspot supported on Client-to-Vessel WIFI networks: 1 (Vessel Net. 2 only)
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: 3
Number of on-board devices reachable through public access: 3
Number of on-board devices reachable through private access: unlimited

Ordering information (package)

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

