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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: b/g/n
Max. data rates (Mbps): 100
Max. transmit power (dBm): 300
Max. transmit power (mW): 1600
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 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): 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

