OPTIMIZER
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RedPort Optimizer Enterprise

The Optimizer Enterprise satellite data router is an enterprise-grade appliance for an all-in-one solution satisfying even the most complex vessel network or as the central hub for crew welfare, business operations, and VoIP services. The Optimizer Enterprise provides crew access, increases operational efficiency, optimizes data, and manages your network.

The Optimizer Enterprise router and VoIP gateway replaces or integrates with other enterprise-grade routers that cost many times more. Built from scratch for marine satellite installations, they are more robust and provide many more services than standard routers. Properly configured premium services save customers thousands of dollars by preventing runaway airtime usage and high bill shock costs. The new shoreside portal centralizes capabilities and functionality in one location and allows services for passengers and crew while providing easy user, vessel, and fleet management. (Some fees may apply).

Key Features

- Routing and Logging - create and manage the most complex networks with enterprise-grade features.

- Automatically selects among available data connection to choose the lowest-cost or preferred available data service.

- Captive Portal to control passenger and crew access via username and PIN codes.

- Firewall & Filtering - manage traffic over the satellite link to block unwanted airtime usage. Allows port forwarding, domain-name filtering, network address translation, and detailed whitelisting and blacklisting of websites and services.

- Remote Access - remotely log-in and manage your local network from any Internet connection.

- Network Security - manage and control your local network for maximum security.

- Satellite Email - RedPort routers include a full POP/SMTP RedPort Mail server.

- Web Compression - Transparent proxy service can automatically reduce http data consumption by a factor of 3-5 times.

- GPS Tracking - Reliably track vehicles or vessels anywhere in the world.

- NMEA GPS Repeater - locally broadcast your GPS location via Wi-Fi for access by an NMEA compliant device.

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Main Specifications

Physical	
Size	10.9" x 2" x 5″ (277 x 50 x 126mm)
Weight	3.85 lbs (1.75 kg)
Ports	
Ethernet LAN	2
Ethernet WAN	2
RJ-11 Analog	0, 1, or 4
WiFi	
WiFi	2.4 GHz and 5.0 GHz
Storage	
Storage	128 GB Industrial SSD
RAM	8GB
Electrical	
Power	12V 3A DC
Rackmount Variation	
Size	19″ 1U Rackmount Enclosure
Weight	10.25 lbs (4.65 kg)
RJ-11 Analog	0, 1, 4, or 8
Power	220/110V AC
Certifications	
Regulatory	FCC, CE, RoHS
Optional LTE Specifications	
4G LTE Category	Cat-6
4G LTE Frequency Bands	B1, B2, B3, B4, B5, B7, B12, B13, B20, B25, B26, B29, B30, B41
3G WCDMA	B1, B2, B3, B4, B5, B8
Peak Download Rate	300Mbps
Peak Upload Rate	50Mbps
Region	Americas, EMEA, and Southeast Asia
Regulatory	CE, FCC, GCF, IC, NCC, PTCRB