Optimizer Premier
VoIP Gateway & Data Router

MackayMail
www.mackaycomm.com
Powered by xGate

Optimizer Premier Value Proposition

Optimizer Premier gives vessel owners and managers flexible control over crew and passenger satellite airtime usage while providing easy controls for managing satellite data and voice consumption. Properly configured services such as MackayMail, compressed web-browsing, and firewalling, can save customers thousands of dollars by preventing runaway airtime and the resulting invoice-shock.

Optimizer Premier Router

Optimizer Premier combines a powerful satellite data router with a VoIP gateway; offering an elegantly flexible, multi-user onboard solution. With a multi-WAN functionality and full failover capabilities between networks, Optimizer Premier truly provides a cost-effective and reliable hub for all your onboard networks.

- Multi-WAN Failover (up to 2 satellite)
- Firewall, Router, and VOIP Gateway
- Email, Web Compression and Filtering
- Captive Portal for Crew Welfare (PIN-codes)
- Worldwide VOIP Calling
- Conversion of VOIP to Circuit Switch
- Compressed VOIP (up to 15 minutes/MB)
- GPS Tracking and Local NMEA Repeating
- Wi-Fi Extender Option (Halo)
- GSM and Satellite Phone Options

Compatible With:

inmarsat THURAYA VSAT

iridium Globalstar MSAT G2

MackayMail Service

MackayMail uses only 5% of the data of a standard email program, on average. Subscribers can save up to 95% on satellite airtime costs compared to satellite email without MackayMail.

Additional Features:

- **Mid-file Restart** – If your satellite connection is dropped, MackayMail will start your downloads where they left off so you don't have to start over from scratch.

- *Bigmail* – MackayMail informs you when sizeable emails are inbound (i.e. with a large attachment); providing you the choice to download.

- **Virus Scanning and Spam Filters** – MackayMail servers scan every message for viruses and spam; blocking them before they are sent over satellite.

- **Compressed Web-Browsing** – MackayMail compression web-browsing loads pages up to 10 times faster by optimizing pictures and providing overall protocol compression. This means you get your web pages 3-5 times faster on average (plus, 3 - 5 times savings on satellite airtime).

- **Crew Accounts** – Enables the administrator to create, modify, and delete email sub-accounts for crew member use.

- **File Transfer** – MackayMail takes local information from a computer and sends it automatically as an email attachment. File transfer can be used to handle automatic inventory control, regular reporting, and data logging seamlessly over your satellite connection.

- **Versatile** – MackayMail is compatible with *Outlook*, *Apple Mail*, *Thunderbird*, and many other popular email programs.

An *Optimizer Router* Available for Every Installation

Services	Optimizer *Data Router*	Optimizer Voice *Data Router*	Optimizer Premier *Data Router*	Optimizer Enterprise *Data Router*
Firewall	✓	✓	✓	✓
VoIP Gateway	-	✓	✓	-
RedPort Email & Web	-	Optional	Optional	Optional
Captive Portal (PIN-codes)	-	-	✓	✓
Server-based Captive Portal *(Shoreside Access Control)*	-	-	✓	✓
Shared Web Compression	-	Optional	Optional	Optional
GPS Tracking	Optional	Optional	Optional	Optional
NMEA Repeater	✓	✓	✓	-
Web Filtering	-	Limited	Limited	✓
Quality of Service	-	-	-	✓
Failover/Load-Balancing	-	-	✓	✓
Least-Cost Routing	-	-	✓	✓
Multi-Level Administration	-	✓	✓	✓
Out-of-Band Management	Limited	-	✓	✓
Caching	-	-	-	✓
Usage Logs/Web-reporting	-	Limited	Limited	✓
Bandwidth Logging	Limited	Limited	Limited	✓
SMSGlobal CrewCommCenter	-	✓	✓	✓

Specifications	Optimizer	Optimizer Voice	Optimizer Premier	Optimizer Enterprise
Ethernet LAN Ports	1	1	2	1
Ethernet WAN Ports	1	1	4	3
RJ-11 Analog Lines	0	0	1	0, 1, 4 or 8
Wi-Fi Enabled	✓	✓	✓	✓
Max Wi-Fi Range	30m	46m	46m	46m
Wi-Fi	802.11 a/b/g	802.11 b/g/n	802.11 b/g/n	802.11 a/g
Storage	-	8Gb SLC Nano	8Gb SLC Nano	8Gb SLC SSD
Power Operating Range	9-18V DC 1A	9-18V DC 2A	9-18V DC 2A	9-18V DC 2A
Certifications	FCC, CE, RoHS	FCC, CE, RoHS	FCC, CE, RoHS	FCC, CE, RoHS
Rackmounted Weight	-	-	-	10.25 lbs (4.65 kg)
Rackmounted Dimensions	-	-	-	19" 1U Rackmount Enclosure
Compact Weight	0.22 lbs (0.10 kg)	0.56 lbs (0.25 kg)	1.12 lbs (0.5 kg)	1.86 lbs (0.845 kg) (313) 3.85 lbs (1.75 kb) (323)
Compact Dimensions	3.8" x 2.75" x 1.0" (97 x 70 x 25 mm)	5.5" x 6.3" x 1.2" (140 x 160 x 30 mm)	6.3" x 3.1" x 2.1" (160 x 80 x 54 mm)	6.6 x 1.2 x 6.2" (168 x 30 x 157mm) (313) 10.9 x 2 x 5" (277 x 50 x 126mm) (323)