

# Optimizer Crew Data Router

# RedPort™

## Optimizer Crew

Optimizer crew replaces standard routers to help users save money on satellite airtime bills while increasing operational efficiency and providing controlled access to email and the Internet. Optimizer Crew lets users easily share and control access to their satellite broadband or GSM data service via its Wi-Fi or Ethernet network.

Optimizer Crew provides unlimited firewall, filtering, routing, PIN-code and local GPS repeating. It works with RedPort Mail service for premium access to accelerated email and web compression service, as well as GPS tracking via RedPort tracking or any GsatTrack-based service. Optimizer Crew users can also access GSM service via an optional GSM modem and their own SIM card. This allows users access to GSM service in areas where it is available at a lower cost than satellite, for example while a marine vessel is in port in its home country.

## Who Is It Good For?

Optimizer Crew is good for anyone who needs to manage a satellite Internet installation for multiple users, and its free onboard captive portal is a low-cost way to control access for operations and crew welfare. Optimizer Crew is loaded with features and services for all but the most complex installations, including:

- Captive Portal for Crew Internet Access
- Shared Web Compression
- RedPort Email
- GPS Tracking
- NMEA GPS Repeating
- Powerful routing and firewall options.

All wXa and Optimizer Crew devices are Inmarsat AYCE compliant.



*Optimizer Crew (wXa-115)*

## The Value Proposition

Optimizer Crew is the world's most affordable satellite-optimized router. Unlike comparably priced consumer routers, Optimizer Crew provides the industrial quality and the services satellite broadband users need. Free services include routing, filtering, firewall, captive portal for Crew Welfare Internet access, and NMEA GPS repeating. Properly configured Premium services will save customers thousands of dollars by preventing runaway airtime and the resulting bill shock.

## Related Products

Customers who also need VoIP services can add a wXa-400 series router to their Optimizer Crew or they can use a wXa-500 router which includes both VoIP and data services.

Customers who need shared web caching, automatic failover/load-balancing, have extremely complex networking requirements, or very high data traffic should consider the wXa-200 or -300 Series.

## Compatible With:



# Optimizer Crew Data Router

# RedPort™

## Services Overview

- Firewall/Router
- Onboard Captive Portal (PIN-code service)
- Remote Management
- Quality of Service
- GSM Option
- \$ RedPort Email
- \$ Shared Web Compression

\$ = Premium Service. Monthly Fees May Apply.

## Specs Overview

**Compact:** 8.9" x 5.5" x 1.3"  
(225 x 140 x 33 mm)

**Weight:** 0.81 lbs (0.37 kg)

**Temp:** 32°F to 104°F (0°C to 40°C)

**Internal Drive:** 1-8Gb MLC Nano

**Ram:** 128 Mb

**Certifications:** FCC, CE, and RoHS

**Wi-Fi:** 802.11 b/g/n

**Power:** 9-18v DC 1A

## Available Models

wXa-115 ----- Compact 5-Port  
wXa-115 GSM--- Compact 5-Port, GSM Enabled

## RedPort Routers

The Right Router for Every Installation



Optimizer Crew  
Data Router



wXa-200  
Data Router



wXa-300  
Data Router



wXa-400  
VoIP Router



wXa-500  
VoIP & Data Router

### Services

Services	Optimizer Crew Data Router	wXa-200 Data Router	wXa-300 Data Router	wXa-400 VoIP Router	wXa-500 VoIP & Data Router
Firewall	✓	✓	✓	-	✓
VoIP Gateway	-	-	-	✓	✓
RedPort Crew Satellite Email	Optional	Optional	Optional	-	Optional
Captive Portal for Crew Internet Access	✓	✓	✓	-	✓
Server-based Captive Portal (Shoreside Control of Crew Internet Access)	-	✓	✓	-	✓
Web Compression	Optional	Optional	Optional	-	Optional
GPS Tracking	Optional	Optional	Optional	-	Optional
NMEA Repeater	✓	-	-	-	-
Web Filtering	Limited	✓	✓	-	✓
Quality of Service	-	✓	✓	-	✓
Failover/Load-Balancing	-	✓	✓	-	✓
Least-Cost Routing	-	✓	✓	-	✓
Multi-Level Administration	-	✓	✓	-	✓
OBM Out of Band Management	Limited	✓	✓	-	✓
Caching	-	-	✓	-	✓
Usage Logging/Web-reporting	-	-	✓	-	✓
Bandwidth Logging	Limited	Limited	✓	-	✓

### Specifications

Specifications	Optimizer Crew Data Router	wXa-200 Data Router	wXa-300 Data Router	wXa-400 VoIP Router	wXa-500 VoIP & Data Router
Ethernet LAN Ports	4	1	1	0	1
Ethernet WAN Ports	1	2	2	1	2
RJ-11 Analog Lines	0	0	0	0-8	0-4
WiFi Enabled	Yes	Optional	Optional	No	No
Max WiFi Range	80m	46m	46m	46m	46m
WiFi	802.11 b/g/n	802.11 a/g	802.11 a/g	802.11 a/g	802.11 a/g
Storage	1-8Gb SLC Nano	4Gb SLC SSD	8Gb SLC SSD	4Gb SLC SSD	8Gb SLC SSD
Power Operating Range	9-18V DC 1A	9-18V DC 2A	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	FCC, CE, RoHS
Compact Dimensions	8.9" x 5.5" x 1.3" (225 x 140 x 33 mm)	5.5" x 6.3" x 1.2" (140 x 160 x 30 mm)	7.9" x 6.3" x 2.4" (200 x 160 x 60 mm)	7.9" x 6.3" x 1.2" (200 x 160 x 30 mm)	-
Rackmounted Dimensions	-	-	19" 1U Rackmount Enclosure	19" 1U Rackmount Enclosure	19" 1U Rackmount Enclosure
Compact Weight	0.81 lbs (0.37 kg)	1.23 lbs (0.56 kg)	2.49 lbs (1.13 kg)	2.53 lbs (1.15 kg)	-
Rackmounted Weight	-	-	7.8 lbs (3.55 kg)	8.05 lbs (3.65 kg)	8.38 lbs (3.8 kg)

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