

# RedPort

# OPTIMIZER

powered by RedPort

## Your Devices, Your Way



satellite



firewall



Wi-Fi



Easily access accelerated satellite email, weather, web & tracking services while blocking unwanted data traffic.

Optimizer makes satellite data easy – with the devices you already own.

The logo for AMI Connect, featuring the letters 'AMI' in a large, bold, blue font above the word 'Connect' in a smaller, blue font. The background is a light blue grid of dots and lines.

**AMI Connect Head Office:**

107 Forsyth Street, O'Connor 6163, WA

T: (08) 9331 0070

E: [sales@amiconnect.com.au](mailto:sales@amiconnect.com.au)

Support: [support@amiconnect.com.au](mailto:support@amiconnect.com.au)

**Branches Australia Wide & International**

Perth, Adelaide, Sydney, Brisbane, Darwin, Cairns, Melbourne, Singapore & Vietnam

**Visit us online: [www.amiconnect.com.au](http://www.amiconnect.com.au)**

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# BYOD – Bring Your Own Device for Satellite Email, Web, Weather, Social Media and Tracking

Optimizer makes satellite data easy – with the devices you already own.

Optimizer is the original BYOD (Bring Your Own Devices) satellite hotspot – letting you access the services you need with the smartphones, tablets and computers you already have.

Optimizer broadcasts your satellite data feed as a Wi-Fi hotspot, let you easily access email, web, weather and social media services, and even track your location. Most importantly, its powerful firewall blocks all unwanted service to eliminate runaway satellite phone airtime bills.



# Your Devices, Your Way

RedPort Optimizer eliminates the problems associated with USB cables, and boasts a firewall that eliminates all unnecessary computer traffic, giving you access to the maximum throughput of your satellite phone data service. Indeed, the built in firewall blocks ALL traffic except that carried through a RedPort-certified data service like XGate, a branded version of XGate, or Iridium Mail & Web. This means that once the link is established data flows through the pipe at optimum speeds giving you the best possible transfer rate.

This allows you to browse the Internet with XWeb compression increasing the effective bandwidth of the connection while reducing airtime costs. Since nothing traverses the router except XGate email and XWeb compressed web data, unwanted traffic is eliminated. This prevents surprise airtime bills caused by unmonitored and unwanted background computer traffic such as operating system and other software updates.

## Optimizer Features

- **Satellite** – Turns any IP-based satellite data signal into a Wi-Fi Hotspot.
- **Firewall** – stops all unwanted data traffic, saving time and money.
- **Wi-Fi Hotspot** makes setup and use with compatible computers and tablets easy.
- **GSM support** – Plug in a compatible GSM USB- modem when you have GSM access to keep all the speed and convenience benefits of Optimizer, wherever you are.
- **Faster processor** – Do everything quicker and more smoothly, the Optimizer wXa-112 (Spring 2014) includes a new processor for speed and reliability.



satellite



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## Compatible Satellite Equipment

Works with all standard satellite equipment including:

- **Inmarsat** IsatPhone Pro; IsatPhone 2; BGAN; Fleet One; FleetBroadband.
- **Iridium** 9555; Extreme; OpenPort; 9500\*, 9505\*, 9505a\*
- **Globalstar** GSP-1700; GSP-1600\*, GSP-2900\*
- **Thuraya** USB and IP.
- **and other systems.**

\* Some Equipment Requires Compatible Serial-USB cable (not included). GPS Tracking service requires current Inmarsat or Iridium OpenPort hardware.

## Optimizer Services

Optimizer works with compatible software services running on a laptop, tablet or smartphone to provide:

- **Email** – Accelerate email service up to 20 times, saving up to 85% on satellite airtime.
- **Web** – Access compressed web pages an average of 3-5 times faster than normal.
- **GRIB Weather** – Get free GRIB files via email from online services.
- **NEW! Mobile Weather** – See local forecasts based on your location using your iOS or Android device.
- **Social Media** – Update Facebook, LinkedIn and Twitter over satellite.
- **Tracking** – Automatically sends your phone or terminal's built-in GPS data to a compatible tracking service.
- **Blogging Service** – Get a free Sailblogs Premium Basic account with a compatible service.



email



weather



web








tracking

## Compatible Operating Systems

- Windows XP, Vista and 7, both 32 and 64-bit versions
- Apple Macintosh
- Apple iOS devices (iPhone, iPad & iPod Touch)

# Optimizer Comparison Chart

	 <b>RedPort Optimizer</b> Data Router	 <b>Optimizer Crew</b> Data Router	 <b>wXa-300 Series</b> Data Router	 <b>wXa-400 Series</b> VoIP Router	 <b>wXa-500 Series</b> VoIP & Data Router
<b>Services</b>					
Firewall	✓	✓	✓	-	✓
VoIP Gateway	-	-	-	✓	Optional
RedPort Crew Satellite Email	-	Optional	Optional	-	Optional
Captive Portal for Crew Internet Access (Shore-side Control of Crew Internet Access)	-	✓	✓	-	✓
Shared Web Compression	-	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	Limited	✓	-	✓
Caching	-	-	✓	-	✓
Usage Logging/Web-reporting	-	-	✓	-	✓
Bandwidth Logging	Limited	Limited	✓	-	✓
<b>Specifications</b>					
Ethernet LAN Ports	1	4	1	0	1
Ethernet WAN Ports	1	1	2	1	2
RJ-11 Analog Lines	0	0	0	0-8	0-4
WiFi Enabled	✓	✓	Optional	No	No
WiFi	802.11 a/b/g	802.11 b/g/n	802.11 a/g	802.11 a/g	802.11 a/g
Storage	-	1-8Gb SLC Nano	8Gb SLC SSD	4Gb SLC SSD	8Gb SLC SSD
Power Operating Range	9-18V DC 1A	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	FCC, CE, RoHS
Compact Dimensions	3.8" x 2.75" x 1.0" (97 x 70 x 25 mm)	8.9" x 5.5" x 1.3" (225 x 140 x 33mm)	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)	10.9" x 2" x 5" (277 x 50 x 126 mm)	-
Rackmounted Dimensions	-	-	19" 1U Rackmount Enclosure	19" 1U Rackmount Enclosure	19" 1U Rackmount Enclosure
Compact Weight	0.22 lbs (0.10 kg)	0.81 lbs (0.37 kg)	1.86 lbs (0.845 kg) (313) 3.85 lbs (1.75 kb) (323)	3.42 lbs (1.55 kg)	-
Rackmounted Weight	-	-	10.25 lbs (4.65 kg)	10.03 lbs (4.55 kg)	10.69 lbs (4.85 kg)