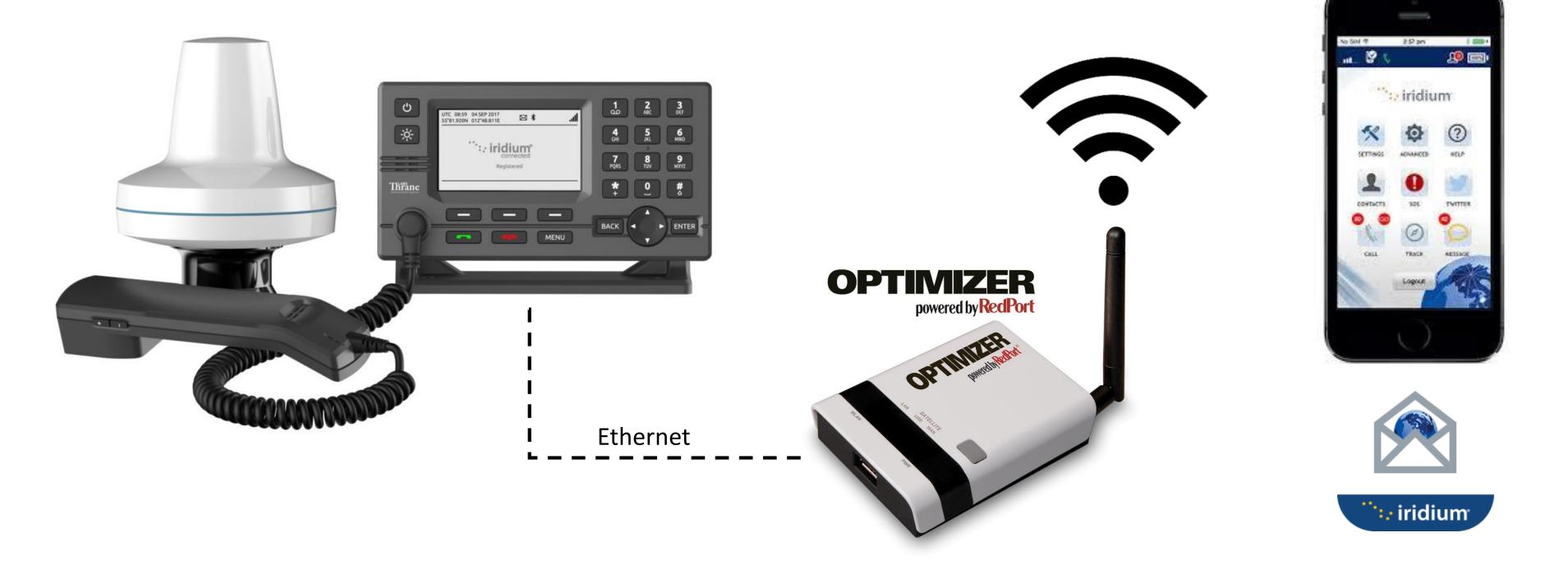# LT-3100 Accredited Solution
Iridium Mail & Web App (iOS, Android) via RedPort Optimizer

The LT-3100 Satellite Communications System is delivering the Iridium 'classic' services: Voice, Voicemail, SMS, Short Burst Data (SBD), Modem Data, and Windows Dial-up Networkig (IP-data connection) with 100% global coverage. The LT-3100 system is now supporting the RedPort Optimizer Personal Wi-Fi Access Point from Pivotel / Global Marine Networks (GMN). By using the RedPort Optimizer, you can now use the Iridium Mail & Web App's (iOS, Android) on your Smartphone. The XGate Satellite Phone Email & Data Services are supported too, and will be described in another document.

Ethernet

Features of Iridium Mail & Web
- Drafting and viewing emails offline
- Configuring email size to minimize connection time
- Queuing up emails to be sent up to 15x faster than web-based services
- Retrieving emails from external accounts
- Blocking pop ups, removing ads and background images
- Compressing web pages for download speeds of 3-5x faster than uncompressed pages
- Logging in to Twitter to keep your social network updated
- Compressing and sending photos to share experiences online
- Accessing weather forecasts for up to 7 days for various locations

How to make it work
- Go to the Iridium Website and register for Iridium Mail & Web: Link to registration page
- Login to the website of the LT-3100 system (IP-address can be read from the 4.3" TFT display)
- Configure network to 'DHCP Server' (Configuration - Network)
- Enable serial over ethernet (Configuration – Data)
- Connect the LT-3100 system to the RedPort Optimizer SAT port, using an ethernet cable
- The LT-3100 system and the RedPort Optimizer will automatically find each other
- Download the Iridium Mail & Web App (iOS or Android) on your Smartphone and follow the Iridium Mail & Web User Guide: Link to download page
- Configure appropriate encryption on the RedPort Optimizer Wi-Fi (administrative page)
- Connect your Smartphone to the RedPort Optimizer Wi-Fi and start using the Iridium Mail & Web App

Required hardware
LT-3100 Satellite Communications System (LT-3100)
RedPort Optimizer Personal (WXA-122)

Minimum required software
LT-3100-v1.07R-0010.lti (05-Nov-2018)
wxa-122.v230.bin (02-Nov-2018)