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## Thuraya Orion IP

The search for high quality, affordable broadband is over



**THURAYA**  
MARINECOMMS 



## Thuraya Orion IP



Thuraya has a reputation as a leading provider of high quality satellite communications combining flexible and very competitive rates with a powerful and reliable network.

Our commitment to this demanding market has been further strengthened with the release of Thuraya Orion IP, a new broadband terminal, specifically designed for the harsh maritime environment.

Thuraya Orion IP provides merchant maritime, fishing, governmental and leisure users with competitively priced, robust and reliable data connectivity at rates up to 444kbps.

At a time when ship owners and operators are on the hunt for solutions and services that maximize operational effectiveness of the fleet as well as minimizing operational expenditure, Thuraya Orion IP is the natural choice.

## Network and Pricing



Thuraya Orion IP is available with Thuraya's cost-effective Maritime Broadband pricing plans, which are popular with owners and operators thanks to its flexibility.

Post-paid plans enable users to choose from unlimited, low usage or VSAT backup options to suit their individual requirements.

Thuraya airtime is the most competitively-priced in the maritime market. It enables users to take advantage of value-added services provided by our Service Partners and enjoy fast and simple connections, throughout our footprint.

Our powerful L-band satellite network can dynamically assign capacity where and when it is needed, providing a virtually congestion-free service that covers most of the world's busiest ports and shipping lanes.





## Product Overview

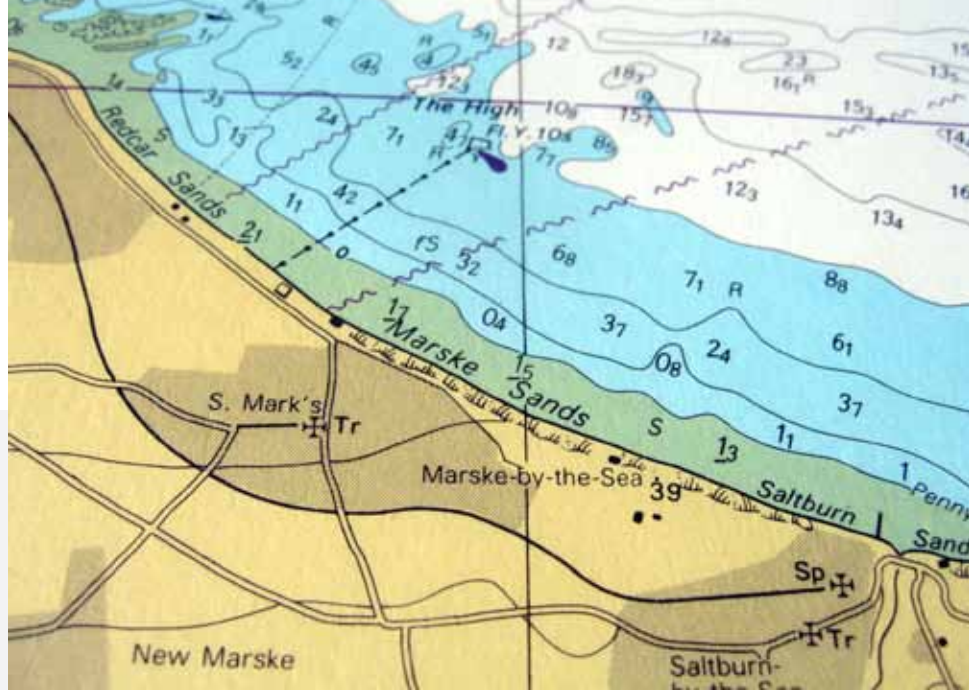


Thuraya Orion IP is a maritime-specific broadband terminal manufactured in partnership with Hughes Network Systems, which supports broadband data communications at speeds up to 444kbps.

Small, lightweight and easy to install, Thuraya Orion IP is suitable for both business and crew communications.

The terminal has been designed for users who want to take advantage of a simple IP connection to leverage the value-added hardware and software solutions provided to them by Thuraya Service Partners.

# Solutions



Thuraya understands that the key to a great solution is not simply the network, the terminal or the software package. It is the integration of all of these elements to create a solution that pairs our partners' software expertise with our delivery of services.

Today Thuraya and its partners are able to provide voice and data services that improve visibility, drive efficiency and improve crew welfare. Typical solutions include M2M data services to remotely monitor equipment, remote IT support, Voice over IP, internet optimization, database replication, video conferencing and instant messaging.

Specialist maritime requirements such as electronic chart updates, weather forecasts, antivirus updates, weather routing, notice of arrival and departure forms can also be rolled out at predictable cost.



## Product Applications

### *Email*

Email applications optimized for satellite networks with full control and visibility for the ship manager.

### *Video conferencing*

Use video conferencing for remote diagnostics, day-to-day meetings and telemedicine.

### *Chart updates*

Conform to the latest ECDIS regulations and ensure your vessel has the latest electronic navigation charts.

### *Remote IT Support*

Rectify IT issues from your office that would have previously required a costly and time consuming vessel visit.

### *Vessel tracking*

Get up-to-date information on the location of your assets via a comprehensive web portal, regardless of your location.

### *Condition-based monitoring*

Engines and machinery are increasingly being monitored from shore. Trends in temperature, pressure and fuel consumption can be viewed with potential problems addressed before they have an impact on the vessel's operations.

### *Crew welfare*

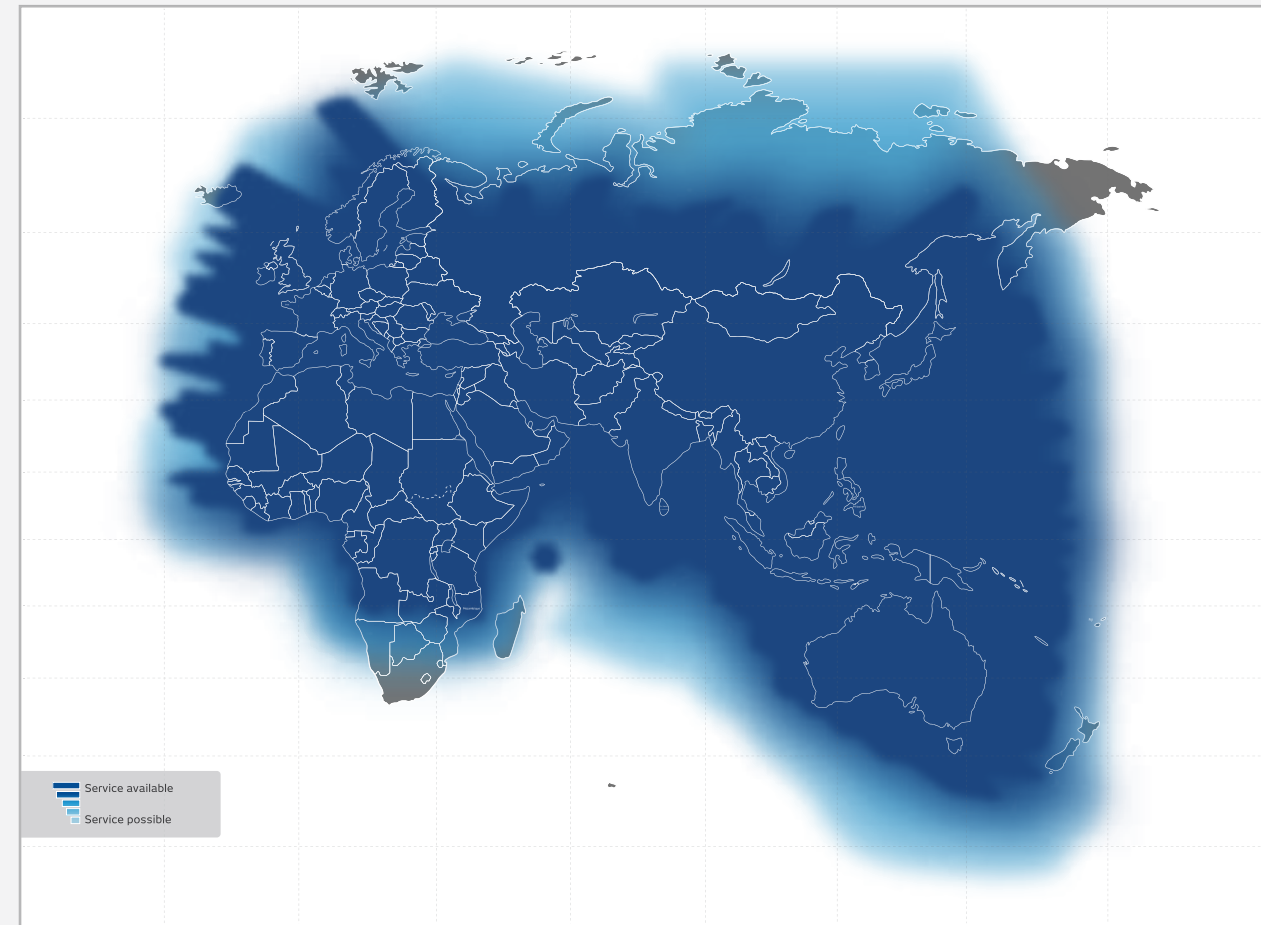
Using applications such as in instant messaging, Social Media services and Voice over IP, you can keep your crew happily connected to their friends and family.



# Thuraya's Coverage Area

*Thuraya Orion IP enables you to stay connected at sea and communicate via satellite across Thuraya's footprint, which extends across 160 countries in Asia, Australia, Africa, the Middle East and Europe.*

Thuraya's robust satellite network provides coverage across approximately 60 percent of the world's maritime routes, ensuring congestion-free satellite communications to keep your mission critical applications connected at all times.



This map represents Thuraya expectations of coverage. For further information, please contact Thuraya Customer Care at [customer.care@thuraya.com](mailto:customer.care@thuraya.com) or visit [www.thuraya.com](http://www.thuraya.com)

# Technical Specifications

Data rate(s)	Standard IP up to 444kbps Streaming IP 16, 32, 64, 128, 256 and 384kbps
Size of above decks unit (ADU)	265 mm x 270 mm
Weight of ADU	3 kg
Ethernet	Four PoE ports supplying 15W each to four PoE compliant devices (Limited to 30W total if BDU input voltage is 10-16 volt DC)
Autonomous beam handover	Yes
Wi-Fi access point	Yes
Input voltage	10-31 volts DC, 70W max (7A max)
Coaxial cable loss	10dB max

# Why Thuraya for Maritime

- Reliable hardware
- Robust network
- Flexible price plans
- Suitable for merchant maritime, fishing, government and leisure

The launch of the Thuraya Orion IP is a clear demonstration that we understand what maritime users want from their communications: choice, performance, value and most of all, real solutions to real problems.

Our commitment to our user is simple: in endless seas, we’re there with you.