



Thuraya MarineStar

The most affordable maritime satellite voice solution with tracking and monitoring capabilities



Thuraya MarineStar

Regulatory compliance by advanced tracking and monitoring
Reduce OPEX through efficient usage and maintenance
Stay safe with emergency SOS alerts

The all-new Thuraya MarineStar blends robust design with unprecedented functionality and unmatched levels of value to provide flawless voice communications with tracking and monitoring across the world's busiest sea routes and fishing hotspots.

Thuraya MarineStar offers circuit-switched voice besides SMS, GmPRS data and tracking services on an easy and intuitive interface. It enables satellite calls to landlines, mobile phones and other satellite phones over Thuraya's satellite network. The MarineStar can also connect to a standard analogue phone as an extension or an on-board PBX.

Delivering the reassurance of constant connectivity and communications, Thuraya MarineStar caters to the operational requirements of smaller and regional operator fishing vessels.*

Built to IEC 60945 standards and unaffected by extreme environments, it synergizes productivity and efficiency on larger vessels by supporting digitalization of crucial applications such as condition based navigation, SOS and other emergency alerts through push notifications. The MarineStar is also ideal for regional merchant fleets needing a backup alternative to radio communications and GSM for voice.

*The reach of Thuraya's maritime network is enormous: according to data from the Western & Central Pacific Fisheries Commission (WCPFC), 80% of the world's fishing regions lies within Thuraya's footprint.

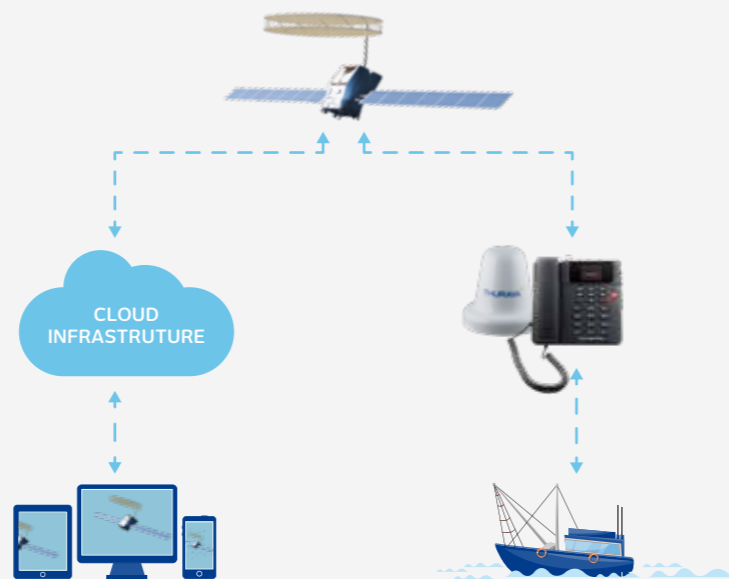


Features

The MarineStar is the flagship solution of Thuraya's SeaLite maritime services that enable circuit-switched voice, SMS, GmPRS and tracking on easy-to-use terminals.

More power to users

- Quick and easy to install
- Circuit-switched voice
- Fish catch reporting capability
- Advanced 2-way vessel tracking and monitoring based on time, distance, speed and area
- OTA (over-the-air) programming capabilities
- Versatile interface functions
- SOS alert
- Geofencing capability
- Push notifications for weather, news and other alerts
- Radio silence
- Tracking application as a service
- Languages: English, Chinese, Vietnamese, Japanese, French, Arabic, Bahasa, Tagalog, Turkish



Tracking application as a service

Thuraya MarineStar enables end-to-end turnkey tracking as a service. This could be mobile app- or web-based, removing the need for extra hardware.

A fishing boat is shown on the ocean under a blue sky. A network of white lines and dots is overlaid on the image, connecting various points on the boat and extending across the sky and water. The text 'Use cases' is written in white on the right side of the image.

Use cases

More functionality for system integrators

Thuraya MarineStar provides system integrators and original equipment manufacturers (OEMs) an autonomous setup to amplify its capabilities, and thereby appeal. The terminal's multiple inbuilt interfaces - RS-232 and GPIO ports - accommodate third-party hardware.

Fisheries: In order to curb unreported and unregulated fishing, national governments are tracking and monitoring small and medium-sized boats. Thuraya MarineStar's catch reporting, tracking and monitoring capabilities help users meet regulatory requirements. Additionally, the terminal is able to communicate with vessels, whenever alarm is raised.

Crew welfare: Crew on small vessels require basic connectivity. With the MarineStar onboard, they are always within reach - even on high seas in turbulent conditions. The terminal facilitates crew calling and SOS alerts, whenever required. Thuraya creates connected communities of seafarers with its local numbering plan implemented through roaming partnerships with GSM operators worldwide.

Condition based monitoring (user/server-defined): The MarineStar enables users to perform condition based or on-board monitoring for predictive and preventive maintenance according to equipment's status. Sensory data is transmitted from third-party devices through the terminal for further analyses. This translates to better planning and upkeep by reducing out-of-service time.

Pricing

Thuraya MarineStar is easily the most affordable multifunctional maritime satellite terminal. Customers have the flexibility to select from a wide range of subscription plans and bundles tailored for the application of their choice, which could be standard stand-alone voice, stand-alone tracking and monitoring - with or without an application, or a combination of both. There are no long-term contracts, no hidden fees and no early termination fees.



Service advantage for Mobile Network Operators (MNO)

With more than 395 roaming agreements in 161 countries, Thuraya is the only L-band operator to open up business opportunities for MNOs. The MarineStar is backed by local numbering plan and GSM roaming over the Thuraya satellite network. As a result, users continue to stay connected on GSM numbers even outside terrestrial coverage.

- Use local MNO SIM cards on local numbering plan
- Enables inexpensive communication over satellite
- Provides customized packages as per national requirements



Specifications

Service

Circuit switched voice
SMS
GmPRS (externally via serial interface)

Hardware

IP Rating:

-ADU: IP56
-BDU: IP32

Operating temperature:

-ADU: -25°C to +55°C
-BDU: -15°C to +55°C

Physical interfaces:

-GPIO -2in -2out
-RS-232
-NMEA support
-RJ-11 analog phone extension and PBX
-Inbuilt PBX between BDU and extension phone to support office-on-the-bridge requirements
-3.5mm audio output

GNSS

-GPS
-GLONASS
-BeiDou

Languages:

-English, Arabic, Chinese, Vietnamese, Japanese, French,
Turkish, Bahasa,
Tagalog

Key features

- Fish catch reporting
- Tracking based on area, time, distance and speed
- Geo-fencing
- Radio silence
- SOS button
- Over-the-air programming
- Power indicator
- Low and high voltage input power indicator

Key service add-on

- Tracking application*

*This is an optional service

Features

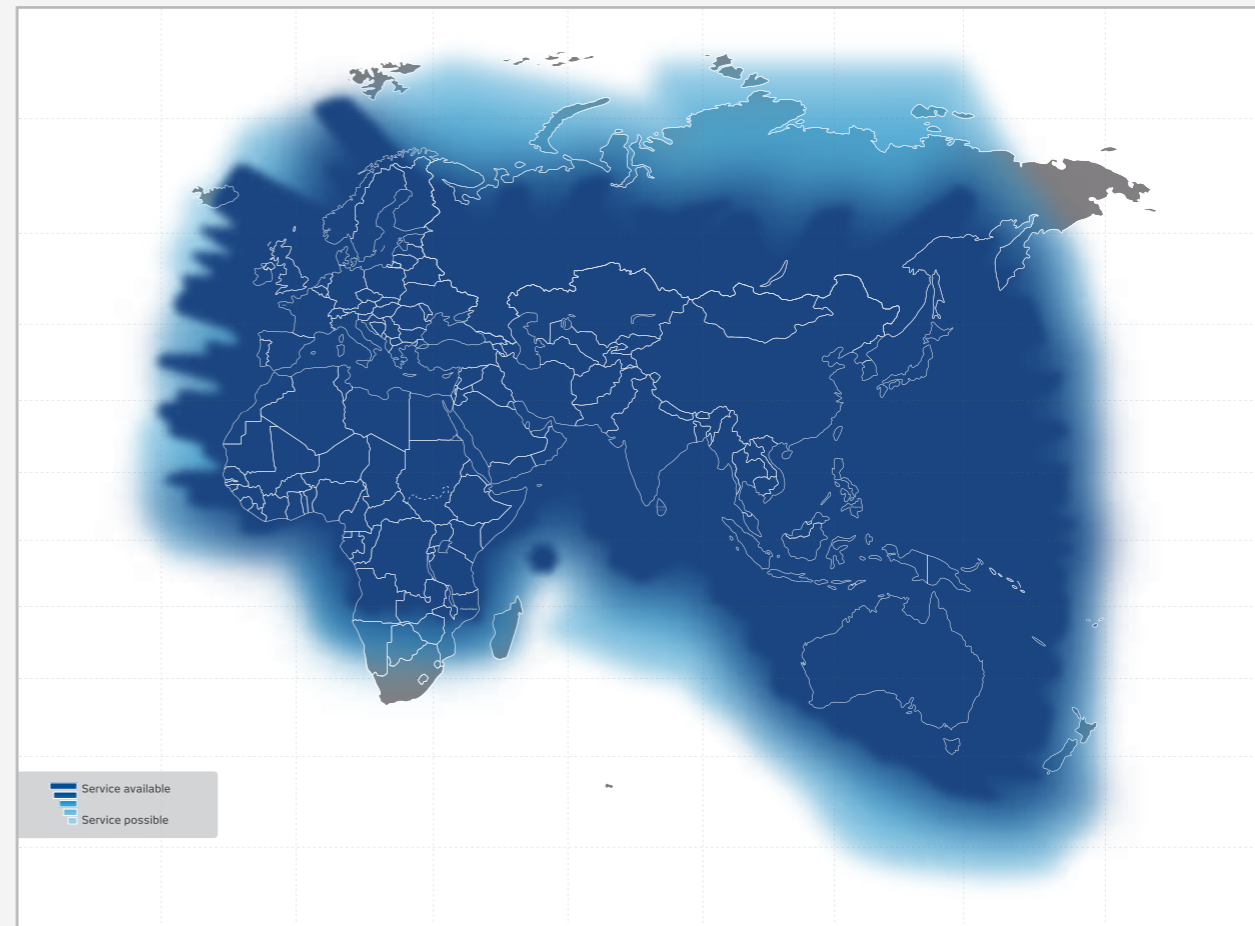
A blue fishing boat is shown on the ocean. The boat has a white cabin and a red flag on the mast. The water is a deep blue. A glowing blue network of lines and nodes is overlaid on the water, suggesting a tracking or monitoring system. The word 'Features' is written in large white letters on the left side of the image.

Thuraya's Coverage Area

Thuraya MarineStar enables you to stay connected and communicate via satellite across Thuraya's footprint, which extends across 161 countries in Asia, Australia, Africa, the Middle East and Europe.

Wherever your mission or business operations take you, Thuraya MarineStar provides the advantage of reliable satellite communications even in the most challenging environments and remote locations.

Thuraya MarineStar connects you, no matter where you are.



This map represents Thuraya expectations of coverage. For further information, please contact Thuraya Customer Care at customer.care@thuraya.com or visit www.thuraya.com