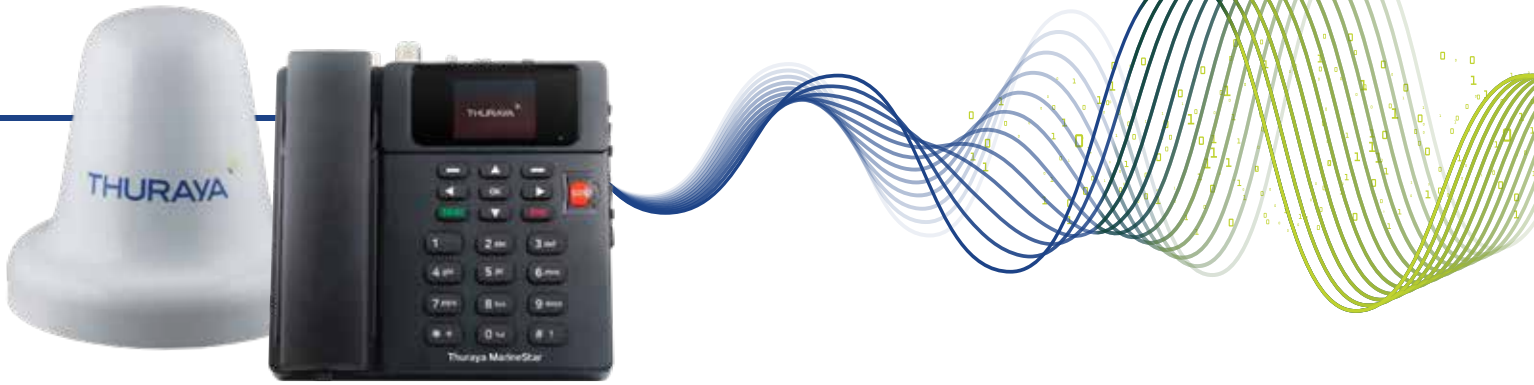


# Thuraya MarineStar



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

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 over Thuraya's satellite network, covering the world's busiest sea routes and fishing hotspots.

Thuraya MarineStar is competitively priced. Users have the flexibility to select from a wide range of plans and bundles tailored for the application of their choice, which could be 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.

### More power to users

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

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

### Catch reporting, Tracking and Crew welfare

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, this flexible affordable solution synergizes on-board productivity and efficiency, helping users comply with the ever-evolving international regulations.

- Catch reporting, tracking and monitoring capabilities help meet regulatory requirements
- Constant voice connectivity ensures safety and welfare of fishermen
- Crew are always within easy reach - even on high seas
- Geofencing guarantees safety and security of vessels
- SOS and crew calling

Unaffected by extreme maritime environments, Thuraya MarineStar satisfies the operational requirements of larger vessels too. It provides access to competitively priced calls, supporting crucial maritime applications such as navigation and emergency alerts through push notifications.

Thuraya MarineStar also appeals to 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.

## More functionality for system integrators

Thuraya MarineStar enables users to perform condition based, on-board monitoring for maintenance activities according to equipment's status. This results in better planning and upkeep that is much more efficient. Moreover, The MarineStar has multiple inbuilt interfaces to integrate third-party hardware, which greatly enhance its capabilities and, thereby appeal.

- Physical interfaces - RS-232 and GPIO - accommodate third-party integrators
- Delivers cost-efficient maintenance by reducing out-of-service time
- Conducive to remote diagnostics: sensor information is transmitted for equipment monitoring

## Service advantage for Mobile Network Operators (MNOs)

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

## Technical 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	
Geofencing	
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



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