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 & SMS
- SOS alert
- Advanced 2-way vessel tracking with application and monitoring
- OTA (over-the-air) programming capability
- Enhanced Fish catch reporting capability
- Fishing start/stop and Port IN/OUT functions
- Tracking, Geo-fencing & Radio-silence capabilities
- Versatile physical interfaces for integrators and developers
- Push notifications for weather, news and other alerts
- Language versions**: ML - English, French, Arabic, Bahasa, Tagalog, Turkish, Persian; JN - Japanese, English; CN - Chinese, English; VN - Vietnamese, English
- Tracking application as an optional 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 functionality

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.

** Some languages could be exclusive to specific regions.
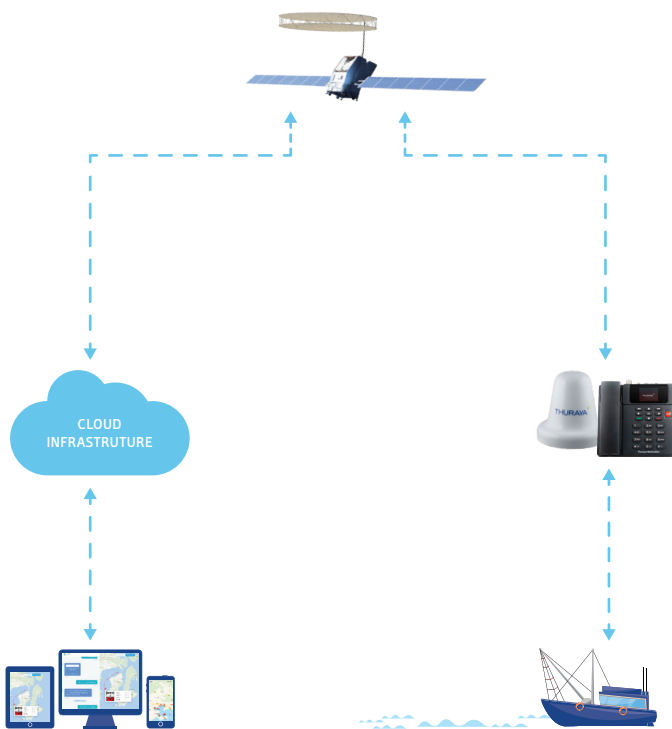
More functionality for system integrators

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)

Physical characteristics

Weight (ADU)	1.30 kg
Weight (BDU)	1.07 kg
Size (ADU)	185mm x 177mm
Size (BDU)	203mm x 190mm x 72.7mm
Connectors	DC input, GPIO port (2in + 2out); RS-232 serial port, NMEA port, RJ-11 port for analog extenstion, 3.5mm audio output, Sim slot
User interface	2.4 inch display, SOS button, Key pad, Navigation pad, and low or high external power input LED indicator
External connector	SAT and GPS RF cable connections to ADU
Operating Temperature (ADU)	-25°C to +55°C
Operating Temperature (BDU)	-15°C to +55°C
Storage Temperature (ADU)	-40°C to +80°C
Storage Temperature (BDU)	-20°C to +70°C
Ingress protection (ADU)	IP 67
Ingress protection (BDU)	IP 32
Operating Humidity	5 to 95% RH at 40°C

External power

Main power input	10.8-31.5VDC
Maximum current	3.6A for 12VDC and 1.8A for 24VDC

Others

Languages*	ML - English, French, Arabic, Bahasa, Tagalog, Turkish, Persian; JN - Japanese, English; CN - Chinese, English; VN - Vietnamese, English
Add-on application**	Thuraya SatTrack

* Some languages could be exclusive to specific regions.

** This is an optional service

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