

Iridium THRANE LT-3100



Maritime



Voix



Terrestre



Data Bas Débit



Géo localisation



- **Fixed satellite communication solution: terrestrial and maritime use. Voice, low data rate, and geolocation service.**
- **Optimized telephony and internet connection up to 10kbit/s for downloading small-sized files (email, grib...)**
- **Electronic unit with 4.3" TFT-LCD screen**
- **Quick installation and deployment**
- **High-performance, compact, and omnidirectional SAT & GNSS/GPS active antenna (deployable up to 500m)**
- **Terminal compatible with the new IRIDIUM NEXT constellation**
- **GMDSS system**

IRIDIUM -THRANE LT-3100

The THRANE LT-3100 terminal consists of an electronic unit, a telephone handset, and a deployable antenna.

Designed for both maritime and terrestrial applications, the LT-3100 offers a fixed, integrated, and robust solution for voice communication and low-speed data transmission, allowing users to exchange emails or send their position using an omnidirectional antenna.

The LT-3100 terminal is designed and manufactured by Lars Thrane, a Danish manufacturer of marine electronics equipment for professionals.

Specifications

Features

Dimensions	Electronic unit: 224 x 120 x 70 mm Antenna: (H) 151.1 x (D) 149.5 mm Handset: 208.8 x 52.8 x 38.2 mm
Weight	Electronic unit: 658 g Antenna: 687 g Handset: 290 g
Services	High-quality telephony: 2.4 kbit/s "optimized" Data transmission: up to 10 kbit/s Firewall & Web server
Included accessories	SAT & GPS antenna Electronic unit Handset with support Mounting bracket 3m power cable
Optional accessories	Installation mounts Antenna extension Cables: 10, 25, and 50 m Connector & cable crimping kit

Environmental conditions

Temperature	Electronic unit: -15°C to +55°C Antenna: -25°C to +55°C
Humidity	Electronic unit: IP32 Antenna: IP67 Handset: IP32



Mounting brackets for antenna and electronic unit

Interfaces

Terminal - Satellite	1616 - 1626.5 MHz (L- Band)
Inter-satellite	23.18 - 23.38 GHz (KA - Band)
DATA	Ethernet LAN (RJ-45) Bluetooth interface for Voice, SMS & Data Support for external LAN WIFI & SIP PABX.
Power Supply	9.6 - 32.4 V DC
Power	Tx: ≤ 38 W
Standby	0.08 W

The following cable and connectors are not included in the basic system and must be ordered separately.

- Aux Cable, 3m
- Coaxial Cable Ø4.9mm, 10m
- Coaxial Cable Ø4.9mm, 25m
- Coaxial Cable Ø10.3mm, 10m
- Coaxial Cable Ø10.3mm, 25m
- Coaxial Cable Ø10.3mm, 50m
- N Connector (male) for Coaxial Cable Ø4.9mm
- N Connector (male) for Coaxial Cable Ø10.3mm

Compatibility and optimization for the following solutions:

- Iridium Mail & Web (via RedPort Optimizer)
- SIP Telephone
- Analog Telephone Adapter
- SkyFile Mail
- OnSatMail Personal
- SIRIUS track Server
- GNSS/GPS NMEA 0183
- iOS & Android Smartphones

Coverage



Constellation information

Type	moving satellites
Number of Satellites	66 + spares
Altitude	790 Km
Coverage	Global + poles

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