

# Thales VesseLINK™ on Iridium Certus<sup>SM</sup>

Dependable Maritime Satcoms,  
from Pole-to-Pole.



# Thales VesseLINK™



Thales VesseLINK provides global satellite coverage for maritime communications. With uninterrupted coverage from pole to pole, it is the solution to depend on for essential communications. Suitable for ships or fleets of any size, VesseLINK easily integrates with your existing equipment to fully digitize your vessel. VesseLINK operates using Iridium Certus broadband services over a network of 66 satellites that cover 100% of the globe, including deep oceans and poles. The solution utilizes this robust network service to provide highly reliable, mobile and essential voice, text and web communications for captain and crew. VesseLINK comes with an intuitive, user-friendly interface and can be quickly integrated into existing vessels or new fleets. It also includes built-in upgradeability to future-proof your investment and ensures peak speed and performance.

## Technical Specifications

### Key Features

- Robust, Light-Weight Communications for at Sea Operations
- Certus 700 Services (352 kbps Up/704 kbps Down & 256 kbps Streaming Capable)
- 100% Global Satellite Coverage and Low Latency for Critical Data and Voice Communications
- Easily Integrates Terrestrial Cellular or VSAT with Built-in Preferred Routing Switch
- Supports Up to (3) Concurrent Wi-Fi Devices

### Terminal Specifications

Below deck unit specifications

**Height:** 2.3 inches (5.8 cm)

**Width:** 12 inches (30.5 cm)

**Depth:** 9 inches (22.9 cm)

**Weight:** 7.5 pounds (3.4 kg)

Power Options

**Option 1:** 10–32 VDC

**Option 2:** AC/DC supply with 12 VDC (65 watt nominal/120 watt maximum)

**IP Rating:** IP31

**Front Connectors:** RJ-45 LAN (3) Class 2 PoE RJ-45 WAN (1) for cellular, VSAT and other IP connections, RJ-14 POTS (2 independent phone lines)

**Rear Connectors:** DC Power Input (10–32V) MIL-STD-1275D, DC Power Input (+12V Regulated), GPIO (RS-232, +12V out, Emergency, Radio Gateway, Discrete I/O), TNC — RF connection to Antenna, Wi-Fi — Reverse SMA, SIM card slot

**Mechanical Vibration and Shock:**

MIL-STD-810G, Test Method 514.6, Procedure 1, Category 4, Annex C  
MIL-STD-810G, Test Method 516.6, Procedure IV above deck unit specifications

High-gain, electronic phased array antenna with no moving parts to enable the fastest upload and download speeds to cover any vessel communications need from safety services, tracking and location services, and out-of-band management to operational reporting and data transfers.

### Antenna Specifications

**Size:** 14.5 inches diameter x 7.8 inches high (36.8 cm diameter x 19.8 cm high)

**Weight:** 6.2 pounds (2.8 kg)

**Power:** Directly powered by the terminal at 24 VDC

**IP Rating:** IP67

**Operating Temperature:** -40 to +55° C

**Mechanical Vibration and Shock:**

IEC 60945, Section 8.7.1 and 8.7.2  
MIL-STD-810G, Test Method 516.6, Proc. IV

**Salt-fog/Corrosion, Rain and Spray Standard:**  
IEC 60945 Sections 8.12 and 8.8

Specifications are subject to change without notice.

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