

- Small, lightweight equipment for any size vessel
- Reliable, satellite communications for fishers, captains, boat owners, operators and crew
- Dependable connectivity ship-to-ship and shore-to-ship
- Administrative control for optimization and fleet management
- 100% global coverage, including polar regions

## ◀ COMMERCIAL FISHING ▶

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

Operating on the state of the art Iridium NEXT Network, Thales VesseLINK provides critical global coverage for commercial fishing operations and reliability that serves the at-sea communications needs of crew members, vessels and fleets.



➤ **With crowded waters and evolving fisheries, the demand for reliable maritime communications is greater than ever. VesseLINK keeps you connected while you navigate, sustains safe and efficient operations and ensures the competitiveness of your fleet.**





◀ COMMERCIAL FISHING ▶

## Thales VesseLINK

**Delivering critical communications that keep commercial fishing vessels safe, connected, efficient and productive**

**VesseLINK gives your commercial fishing operation global communications coverage. It is the communications solution you can depend on at sea and on any waterway – anytime, anywhere. Whether you operate a large fleet or a single vessel, this solution is designed to meet your needs for safety and connectivity through highly reliable, mobile and essential voice, text and web communications.**

VesseLINK utilizes Iridium Certus<sup>SM</sup> broadband services with a network of 66 satellites covering 100% of the globe, including deep oceans and poles. This robust network provides highly reliable, mobile and essential voice, text and web communications for captain and crew.

- **Global Coverage:** Even for new polar and northern passage shipping routes. The solution provides connectivity in any kind of weather, including rain
- **Location Tracking & Sensor Monitoring:** General purpose input/outputs can tie into sensors for temperature, light, humidity, alarms, global keep-alives, and a variety of Internet-connected items and equipment (IoT)
- **Safety & Security:** The solution features location tracking, up to 3 dedicated voice channels, and is telemedicine capable. Equipment may be concealed in roll-on/roll-off kits for lifeboat integration
- **Real-Time Weather:** With enhanced weather reporting, crews can optimize route planning and locate favorable conditions
- **Live Catch Reports:** Enables real-time, ship-to-shore reporting for today's competitive catch offering/auctioning markets
- Lowest latency rates in the industry

### THE CONNECTED CREW

For crew well-being and safety, the ability to stay connected with family and loved ones is critical. With VesseLINK, crew members can call home, send and receive emails and engage on social networks at sea.

Thales provides:

- Wifi-ready, creating the ability to use smartphones and other personal devices
- The ability of crew members to use their own apps
- Administrative control for captains and fleet managers, allowing for efficiency and cost control
- VSAT backup solution

With crew benefits and administrative control, Thales enables an unparalleled connectivity experience.



- **Easy installation: Small, lightweight equipment is simple to deploy and easy to integrate.**



VesseLINK comes with an intuitive, user-friendly interface and can be quickly integrated into existing vessels or new fleets. **No matter where your maritime operation takes you, Thales delivers.**

### MULTI-SERVICES PLATFORM

- IP data sessions up to 700kbps (down)/352kbps (up)
- Streaming up to 256kbps
- 3 standard & high quality VOIP voice lines
- Location tracking

### SOLUTION-READY FEATURES

- Easy to use interface, all functionality available at distance
- Ruggedized Android tethered handset
- IP67 rated single cable ADU Antenna with FB fixing patterns
- IP52 BDU Terminal, rack or hull mounted
- Least cost routing for 4G/LTE or VSAT backup
- Embedded 802.11b/g Wi-Fi access point
- Multiple user capability, up to 5 connected devices
- Application enabled functionality for Android and iOS



## THE SOLUTION VesseLINK on Iridium

TECHNICAL PARAMETERS	
<b>Size</b>	12 in x 9 in x 3 in (30.5 cm x 22.9 cm x 7.6 cm)
<b>Weight</b>	7.5 lb (3.4 kg)
<b>Power</b>	12 VDC input, 11A max (7A avg.), includes powering external VesseLINK High Gain Antenna
<b>Connectors</b>	Front: RJ-45 LAN (3) Class 2 PoE RJ-45 WAN (1) for cellular connection RJ-14 POTS Rear: DC Power Input (10-32V) MIL-STD-1275D DC Power Input, +12V Regulated GPIO (RS-232, +12V out, DISTRESS, Radio Gateway, GPIO) TNC Connector, RF connection to Antenna Wi-Fi reverse SMA SIM slot
<b>Mechanical Vibration and Shock</b>	MIL-STD-810G, Test Method 514.6, Proc. 1, Category 20, Annex D MIL-STD-810G, Test Method 516.6, Proc. IV

ANTENNA SPECIFICATIONS	
High-gain, electronic phased array antenna to enable the fastest upload and download speeds to cover any vessel communications need from safety services to operational reporting and logging	
<b>Size</b>	14 in dia. x 9 in h (35.6 cm dia. x 22.9 cm h)
<b>Weight</b>	7 lb (3.2 kg)
<b>Power</b>	Directly powered by the terminal at 24 VDC
<b>Operating Temperature</b>	-30 to +55 degrees C
<b>Mechanical Vibration and Shock</b>	IEC 60945, Section 8.7.1 and 8.7.2 MIL-STD-810G, Test Method 516.6, Proc. IV
<b>Salt-Fog/Corrosion Standard</b>	IEC 60945, Section 8.8

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