

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

Dependable  
maritime satcoms,  
from pole-to-pole.



Mackay

Marine Electronics &  
Satellite Communications

[www.mackaymarine.com](http://www.mackaymarine.com)

# Thales VesseLINK™

## Enabling enhanced business operations and personal welfare while in the harshest maritime environments.

- Reliable low-weight waterproof antenna for at sea operations
- Capable up to Certus 700 services (352kbps up / 704kbps down & 256kbps streaming)
- 100% global satellite coverage and low latency for critical data and voice communications
- Easily integrates terrestrial cellular or VSAT with in-box least cost routing switch



BELOW DECK UNIT SPECIFICATIONS	
<b>SIZE</b>	12in 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>	AC to DC supply with 12V VDC input, 11A max (6A 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, VSAT and other IP connections, RJ-14 POTS (2 independent phone lines)  Rear: 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
<b>MECHANICAL VIBRATION AND SHOCK</b>	MIL-STD-810G, Test Method 514.6, Procedure 1, Category 20, Annex D 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.	
<b>SIZE</b>	14 in dia. x 4 in h (35.6 cm dia. x 10.2 cm h)
<b>WEIGHT</b>	6.2 lb (2.8 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

\*Specifications are subject to change without notice.

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