The SAILOR 500 FleetBroadband is designed for vessels and platforms with demanding requirements for connectivity. It meets the critical needs for voice and data communication of maritime and offshore professionals globally, but despite its power, is a compact, lightweight solution. It provides extensive functionality including full access to bandwidth-hungry IP applications, broadband internet/intranet, e-mail, secure VPN and nine simultaneous voice lines.

High-end connectivity
With high-speed internet connectivity, running efficiency enhancing custom IP solutions in parallel with e-mail, VPN and voice calling is all in a day's work for SAILOR 500 FleetBroadband. It enables tracking and telemetry functionality, so colleagues on shore have all the information they need: real-time engine data for maintenance, drilling data for improving production or position data for fleet tracking and management. With SAILOR 500 FleetBroadband, you can also provide communication and internet access for crew, which is vital for ensuring an efficient workforce.

Professional & proven performance
SAILOR 500 FleetBroadband uses a fully stabilized 3-axis antenna with rate sensors for improved performance and fast, intelligent satellite tracking. It's built to the world-renowned SAILOR standards, so you benefit from reliable, always available connectivity at all times, regardless of location and conditions.

Simple and secure installation
SAILOR 500 FleetBroadband is easy to deploy and getting connected is a straightforward, cost-effective process. The system is delivered with everything you need to get started in the box and because it is based on standard IP services and features a clear user interface, connecting your computer, corporate network, external sensors or phone system is simple and secure.

Multiple voice lines
With up to nine simultaneous voice lines possible using Inmarsat Multi-voice, an important part of the SAILOR 500 FleetBroadband solution is the Thrane IP Handset. This advanced plug-and-play handset provides an intuitive user interface through a 2.2” TFT colour screen and features cutting-edge technology, such as a state-of-the-art echo cancellation and noise suppression software, for excellent audio clarity.

Communicate with confidence
SAILOR products are highly regarded by maritime professionals for their design and build quality, which results in excellent reliability. To support this, we guarantee fast and dependable service through our established network of On Board Service Centers (OSC). With OSC locations all around the world, service and support is always available, whenever and wherever it is needed.

The most important thing we build is trust
SPECIFICATIONS

Immarsat FleetBroadband approved. Compliant to RTTE, CE Marked. Tested to FCC part 25

FREQUENCY BAND

- Rx: 1525.0 - 1559.0 MHz
- Tx: 1626.5 - 1660.5 MHz
- Ch. spacing: 10.5 - 189 kHz, Rx 21 - 189 kHz, Tx

RECOMMENDED ANTENNA CABLE

- Cable loss max/min: 20 dB at 1.62 GHz and 1.0 Ω, DC loop resistance: 3 dB at 36 MHz - 4 dB at 54 MHz

POWER SUPPLY AND CONSUMPTION

- DC input range (isolated): 10 to 32V DC
- Power (max), incl. antenna & PoE output: 150 W @ 10 - 32V

ENVIRONMENTAL CONDITIONS

- Ambient Temperature: -25 to +55°C
- ADU Storage: -40 to +85°C
- Survival (power on, non-functional): -40 to +80°C
- Automatic thermal surveillance shuts down terminal gradually at +85˚C PCB temperature

- ADU enclosure: IPX6
- BDU enclosure: IP31
- ADU operating humidity: "Exposed" according to EN60 945
- BDU operating humidity: 95% non-condensing at +40˚C
- Icing (survival): Max 25 mm

VIBRATION (ADU)

- Vibration, operational: Random spectrum 1.05 g rms x 3 axes: 5 to 20 Hz 0.02 g/Hz, 20 to 150 Hz -3 dB/octave
- Vibration, non-operational (survival): Random spectrum 1.7 g rms x 3 axes: 6 (6h total): 5 to 20 Hz 0.05 g/Hz, 20 to 150 Hz -3 dB/octave

SHIP MOTION

- Roll: +/- 30 deg per. 4 s, max. 0.7 g tan.
- Pitch: +/- 15 deg per. 3 s, max. 0.6 g tan.
- Yaw: +/- 10 deg per. 5 s, max. 0.1 g tan.
- Surge: +/- 0.5g
- Sway: +/- 0.5g
- Heave: +/- 0.7g
- Turning rate: +/- 36 Hz, Acc. 12 m²/s²
- Headway speed: 22 m/42 knots
- Wind: 100 knots

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