SAILOR® 250 FLEETBROADBAND

The high-performance, affordable global connectivity and voice solution

2013 Product Sheet

The most important thing we build is trust

With data speeds up to 284 kbps from a compact, lightweight and simple to install antenna, SAILOR 250 FleetBroadband is the perfect balance between performance and price. It gives you fast data connectivity and voice simultaneously, allowing you to run online operational systems such as remote monitoring, whilst still having access to e-mail, intranet/internet and multiple voice lines.

Optimal connectivity
FleetBroadband offers unrivalled global performance and opens up a world of communication possibilities. With SAILOR 250 FleetBroadband you have fast connectivity between your vessel and shore, regardless of location or conditions. You can ensure the smooth running of your business, increase crew welfare by providing easy to manage internet access and voice calling or simply enjoy your time at sea with high quality internet and voice communication always available.

A world of applications
In addition to complete office communication functionality, VPN and use of IP applications, SAILOR 250 FleetBroadband can be used for dedicated tracking and telemetry applications. This advanced functionality can enhance efficiency by ensuring your support on shore has all the information they need, from real-time engine data for maintenance to position data for fleet tracking and management. Simple and secure installation SAILOR 250 FleetBroadband is fast and easy to install, so getting connected aboard a single vessel or an entire fleet is straightforward and cost-effective. 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 or phone system is simple and secure.

Multiple voice lines
With up to six simultaneous voice lines possible using Inmarsat Multi-voice, an important part of the SAILOR 250 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.
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FREQUENCY BAND
Rx: 1525.0 - 1559.0 MHz
Tx: 1626.5 - 1660.5 MHz
Channel width: 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 Q 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): 150 W @ 10-32V
incl. antenna & PoE output

ENVIRONMENTAL CONDITIONS
Ambient Temperature: -25 to +55°C
Storage: -40 to +85°C
Survival (power on, non-functional): -40 to +80°C
Automatic thermal surveillance shuts down system gradually in ease of own temperature
BDU operating humidity: 95% non-condensing at +40°C
ADU enclosure: IPX6
ADU operating humidity: “Exposed” according to EN60 945
BDU enclosure: IP31
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: Random spectrum 1.7 g rms 2 x 3 axes (6 h 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 2 s, max. 0.1 g tan.
Surge: +/- 0.5 g
Sway: +/- 0.5 g
Heave: +/- 0.7 g
Turning rate: +/- 36 deg. per sec
Headway speed: 22 m/s (42 knots)
Wind: 100 knots

APPROVALS
Inmarsat FleetBroadband approved. Compliant to RTTE, CE Marked. Testet to FCC part 25

For further information please contact:
Cobham SATCOM Maritime
Lundtoftegaardsvej 93 D
DK-2800 Kgs. Lyngby
Denmark
www.cobham.com
Tel: +45 3955 8800
Fax: +45 3955 8888

www.cobham.com