Thrane & Thrane

SAILOR® 150 FLEETBROADBAND

Competitive, Compact, Global

Offering service on Inmarsat's global broadband I4 satellite coverage, SAILOR 150 FleetBroadband is a competitive, high quality solution for professional vessels, such as workboats or fishing vessels, and is also perfectly suited for use on recreational boats, both sail and power.

SAILOR 150 FleetBroadband features a small and light antenna, which enables simple user-installation, so smaller vessels with a requirement for reliable, high quality global internet and voice can enter the broadband era with a true IP solution for the first time.

Business or Pleasure

SAILOR 150 FleetBroadband is a competitive solution designed to provide global, high quality data & voice for business, operational or recreational applications. Whether fulfilling reporting requirements, diagnosing faults or simply browsing the web whilst relaxing or passage making it offers several benefits that until now have not been available in a single solution designed for smaller vessels, including:

- Competitively priced hardware and airtime
- Voice and data simultaneously
- IP connection for e-mail and internet/intranet access
- LAN interface
- IP Handset interface

Based on the same design values and high quality build as the market leading SAILOR FleetBroadband solutions, SAILOR 150 FleetBroadband ensures that smaller vessels can experience the same reliability and ease of use that high-end SAILOR systems offer.

As a global solution, SAILOR 150 FleetBroadband benefits from Thrane & Thrane's highly regarded network of On Board Service Centers (OSC). With OSC locations around the world, you can be confident that the same global service and support that larger vessels at sea with SAILOR on board expect is always available, whenever and wherever it is needed.

The Thrane IP Handset

The rugged new plug-and-play Thrane IP Handset provides an intuitive user interface on a 2.2" TFT colour screen and cutting-edge technology, such as a state-of-the-art echo cancellation and noise suppression software ensuring excellent autio clarity.

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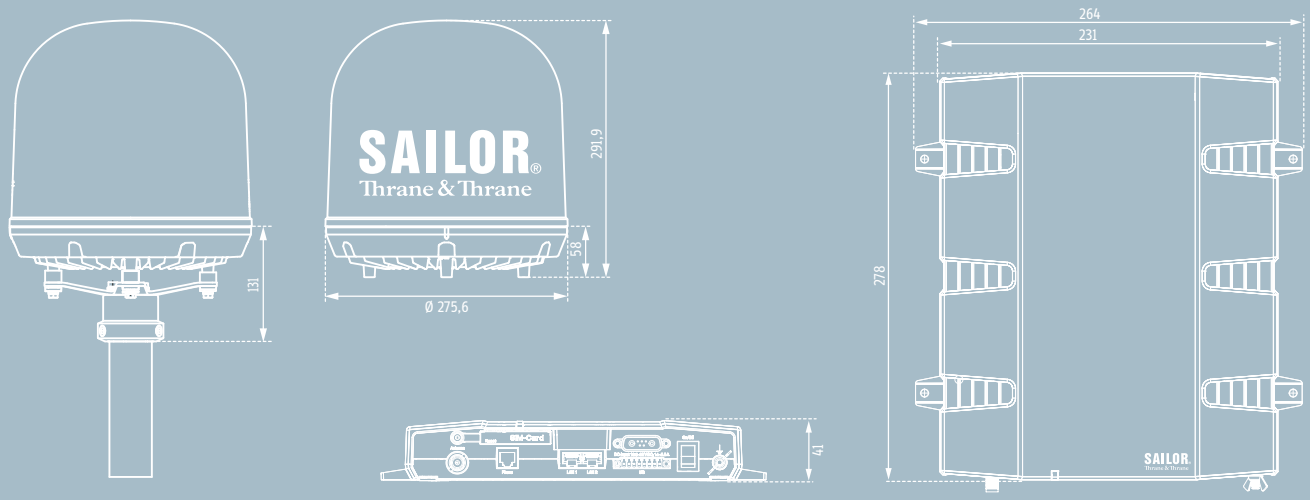

Specifications

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

Frequency Band

Rx	1525.0 - 1559.0 MHz
Tx	1626.5 - 1660.5 MHz
Ch. 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 Ω DC loop resistance
	3 dB at 36 - 4 dB at 54 MHz

Global Services

Voice	4 kbps AMBE+2
Standard IP	150/150 kbps
SMS	Up to 160 characters

Antenna Connector

ADU	TNC, female
BDU	TNC, female

BDU Interfaces

Power On/Off button
DC heavy duty power input connector with Remote on/off and locking mechanism
2 10/100Mbit Ethernet LAN user ports with Power over Ethernet (PoE)
Sim card
Factory default reset button
1 Independent RJ-11 phone 2-wire connectors
5 I/O connector with General Purpose I/Os:
Power LED

Power Supply and Consumption

DC input range (isolated)	10 to 32V DC
Power (max), incl. antenna & PoE output	120 W @ 10-32 V

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 g2/Hz
	20 to 150 Hz: -3 dB/octave
Vibration, non-operational	Random spectrum 1.7 g rms 2 h x 3 axes (6 h total): 5 to 20 Hz: 0.05 g2/Hz 20 to 150 Hz: -3 dB/octave

Mechanical Shock

20g/11 half-sine

Telephone Functionality

Phone book
Message indication
Restricted dialling
Traffic logging

Set-up and Router Functionallity

Web server for direct access to all functions via web browser
Built-in NAT router
Remote Management
Remote Activation
1 PDP context
PPPoE

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 0.3 g tan.
Surge	+/- 0.5g
Sway	+/- 0.5g
Heave	+/- 0.7g
Turning rate	+/- 36˚/s; ACC 12˚/s²
Headway speed	22 m/s (42 knots)
Wind	100 knots

Dimensions and Weight

ADU	291.9 mm x Ø275.6 mm, 3.9 kg
BDU	278 mm/231 mm/41 mm, 2.0 kg

Subject to change without further notice.

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