

## SAILOR® FLEETBROADBAND

A step into the future!



**SAILOR FleetBroadband from Thrane & Thrane is ready to embark your ship. Choose between SAILOR 500 FleetBroadband or SAILOR 250 FleetBroadband for reliable high-speed IP communication. The next generation of satellite communication with seamless coverage based on Inmarsat services.**

No other company is as familiar with the special needs for maritime satellite communication as Thrane & Thrane. Combined with an extensive know-how and hands-on experience from land-based satellite broadband solutions, the SAILOR FleetBroadband offer all mariners a whole new level of maritime satellite communication.

### **Remarkable data speed**

These unique solutions give you faster, more cost-effective access to data services than ever before. Data speed becomes especially remarkable when compared with weight and size of the antennas. At a diameter of only 60 cm and weighing just 16 kg the SAILOR 500 FleetBroadband delivers an amazing data speed of up to 432 kbps.

### **IP handset (VoIP)**

As an important part of this offering, the SAILOR FleetBroadband solutions include a new handset. With this handset companies will be able to integrate their telecommunications and infrastructure, streamlining the whole operation. The handset has been developed with a special focus on the users and the features they need.

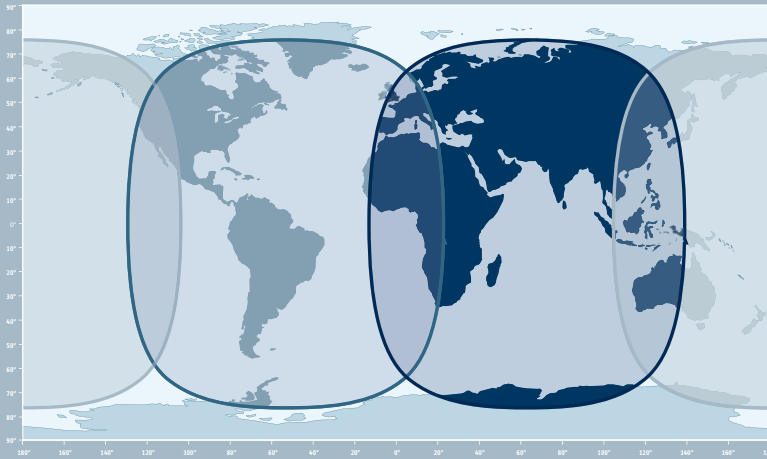
### **Important features:**

- IP connection for e-mail and internet/intranet access including secure VPN
- Streaming IP (Quality of Service; i.e. guaranteed bandwidth)
- ISDN (SAILOR 500 FleetBroadband only)
- Voice and data simultaneously
- Small size hardware

Simultaneously having access to voice and high-speed data services on a global basis will revolutionize data success on vessels. Sea chart information, online weather data, route planning and crew calling can all be undertaken at the same time, highly increasing information efficiency on board.

Operation and service of FleetBroadband will continue for many years ensuring a stable platform for the future.

## FleetBroadband coverage



- I-4 satellite F1
- I-4 satellite F2
- I-4 satellite F3  
(Launch date to be confirmed)

The map depicts Inmarsat's expectations of coverage, but does not represent a guarantee of service. The availability of service at the edge of coverage areas fluctuates depending on various conditions. The launch date of the F-3 satellite will be determined in due course.

## Specifications

Inmarsat FleetBroadband approved  
Compliant to RTTE, CE Marked  
FCC

## Frequency Band

Rx: 1525.0 - 1559.0 MHz  
Tx: 1626.5 - 1660.5 MHz  
Ch. spacing: 1.25 kHz - Rx.

## Recommended Antenna Cable

Cable loss max/min: 4/20 dB at 1,62Ghz and 4 ohm DC loop resistance  
RG-223 Min 7 m / Max 25 m  
RG214 - FRNC Min 12 m / Max 50 m  
S10162B11 Min 30 m / Max 100 m  
RG 1/2" 50 Min 45 m / Max 100 m

## Global services

Voice: 4kbps AMBE+2  
3,1 KHz Audio  
Data: **SAILOR 500:** 64 kbps UDI  
Standard IP: **SAILOR 500:** 432/432kbps  
**SAILOR 250:** 284/284kbps  
Streaming IP: **SAILOR 500:** 32,64,128,256 kbps  
**SAILOR 250:** 32,64,128 kbps  
SMS Up to 160 characters

## Antenna Connector

BDU TNC-socket, female  
SAILOR 500 ADU: 50 Ω N (f)  
SAILOR 250 ADU TNC(m)

## Interfaces

Power On/Off button  
DC heavy duty power input connector with Remote on/off and locking mechanism  
4 10/100Mbit Ethernet LAN user ports with Power over Ethernet (PoE)  
1 Euro ISDN  
Sim card  
Factory default reset  
2 Independent RJ-11 phone 2-wire connectors  
5 I/O connector with General Purpose I/Os:  
L-band output  
Status LEDs

## Power Supply and Consumption

DC input range (isolated) 10 to 32V DC  
Power (max), incl. antenna 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  
Operating humidity: 95% non-condensing at +40°C  
BDU IP31  
ADU IPX6

## Telephone Functionality

Phone book  
Message indication  
Restricted dialling  
Traffic logging

## Set-up and Router Functionality

Web server  
Built-in NAT router

## Dimensions and Weight

Above Deck Unit **SAILOR 500:** 605 x Ø630 mm  
**SAILOR 250:** 329.2 x Ø275.6 mm  
Below Deck Unit 42.5 mm/264.5 mm/273 mm

