

SAILOR® FLEETBROADBAND

IP based data and most competitive voice communication over satellite



Thrane & Thrane introduces the two FleetBroadband solutions – SAILOR 500 FleetBroadband and SAILOR 250 FleetBroadband – as the next generation of satellite communication equipment.

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.

Voice over IP (VoIP) handset

As an important part of this offering, the SAILOR FleetBroadband solutions include a new VoIP 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.

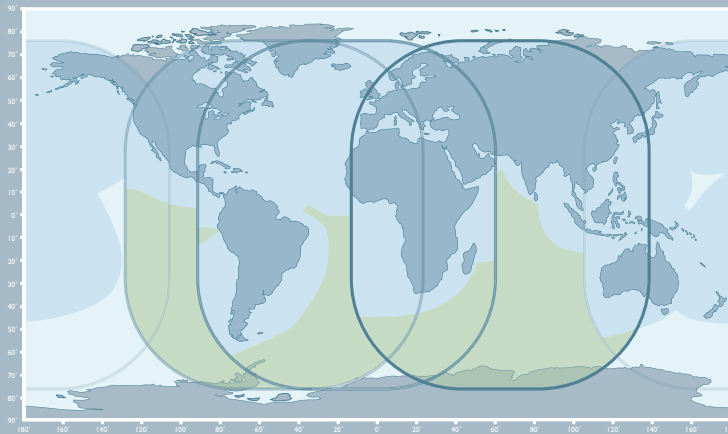
Important features:

- Standard IP addresses for e-mail and Internet/Intranet access, including secure VPN connection
- Streaming IP (Quality of Service; i.e. guaranteed bandwidth)
- ISDN (SAILOR 500 FleetBroadband only)
- Voice and data simultaneously

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.

Inmarsat coverage map for Maritime Digital Services with planned Inmarsat-4 enhancements



- Pacific Ocean Region
- Atlantic Ocean West
- Atlantic Ocean East
- Indian Ocean Region
- Inmarsat-4 enhanced
- Spot Beam

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 of the F-3 satellite will be determined in due course.

Specifications

Inmarsat SAILOR 250/500 approved.
Compliant to RTTE, CE Marked.

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 140 m
RG 1/2" 50 Min 45 m / Max 170 m

Service

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

Antenna Connector

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

Interface

Grounding bolt with wing-nut
On/off button (two position switch.)
DC heavy duty power input connector with Remote on/off and locking mechanism
10/100Mbit Ethernet LAN user ports with Power over Ethernet (PoE)
Euro ISDN
USIM
Factory default reset
Independent RJ-11 phone 2-wire connectors
I/O connector containing:
General Purpose I/Os
L-band output

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

Number storage
Address book
Secure Communications
Message indication
Restricted dialling
Traffic logging
SIM card operation
Access Code

Data Functionality

Web server
Traffic flow template
Port forwarding

Dimensions and Weight SAILOR 500

Above Deck Unit 605 x Ø630 mm
Below Deck Unit 42,5 mm x 247mm x 270 mm

