

Sailor500 FleetBroadband Thrane & Thrane



The purpose and goal of AST Australia is to provide a professional service in the field of mobile satellite services. From deciding upon the most appropriate system at commencement, to airtime, service and support, we consider key aspects such as overall lifetime cost and ease of use when satisfying our clients. We are an independent provider that can tailor a package to your precise needs.



Sailor500FleetBroadband harnesses the speed and functionality of Inmasat's FleetBroadband service. It is the ultimate FleetBroadband solution, and with Thrane & Thrane's unrivalled experience in satcoms for sea, land and aerospace applications, you can be confident of both quality equipment and support.

Fast and Functional

With data speeds of up to 432 kbps, from an antenna that weighs just 16kg and is only 60cm in diameter, this compact package provides superior performance, and offers:

- IP connection for e-mail and internet/intranet access including secure VPN capabilities
- Streaming IP (Quality of Service for data session or applications requiring a specific bandwidth - 32, 64, 128 or 256 kbps)
- ISDN
- Voice and data simultaneously

When even the smallest delay or technical problem can result in huge expenses, daily operations can be made more cost-efficient through the services provided by Sailor FleetBroadband.

The solution increases on board efficiency by ensuring an always-on connection to the shore office or suppliers. The cost effective nature and per MB pricing of FleetBroadband also gives crew more freedom to contact home or to study whilst at sea. Because of its high bandwidth and ISDN capabilities, the Sailor 500 FleetBroadband solution is ideal for the merchant market - giving users all the possibilities of IP whilst still supporting legacy applications over ISDN.

The Sailor 500 FleetBroadband enables economical, tracking, internet and e-mail access for operational and crew use. The high bandwidth and the per MB pricing allow for increased functionality and usages, and results in a highly efficient communication and reduced cost compared to previous solutions in the market.

The Thrane IP Handset

Make your cutting-edge Sailor 500 FleetBroadband into a highly flexible multi-station voice and data solution by adding additional Thrane IP Handset. These rugged new Plug-and-Play handsets let the user take full control of the power of Sailor 500 FleetBroadband through a highly intuitive user interface on the 2.2" TFT color screen and cutting-edge technology, including a state-of-the-art echo canceller and noise suppression software.

Sailor500 FleetBroadband

Thrane & Thrane

Specifications

Inmarsat FleetBroadband approved

Compliant to RTTE, CE Marked

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

Global Services

Voice 4 kbps AMBE+2
3,1 kHz Audio

Data 64 kbps UDI

Standard IP 432/432 kbps

Streaming IP 32, 64, 128, 256 kbps

SMS Up to 160 characters

Antenna Connector

ADU 50 Ω N (f)

BDU TNC-socket, female

BDU 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)

Factory default reset button

2 Independent RJ-11 phone 2 wire connectors

5 I/O connector with general purpose I/Os:

Sim card

Status LED

Vibration (ADU)

Vibration, operational Random spectrum 1.05g rms x 3 axes: 5 to 20 Hz: 0.02g²/Hz
20 to 150 Hz:-3 dB/octave

Vibration, non-operational (survival) Random Spectrum 1.7g rms 2 h x 3 axes (6 h total): 5 to 20 Hz: 0.05g²/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 Functionality

Web Server

Built-in NAT router

Network management

SIP Server

11 PDP contexts

Ship Motion

Roll +/- 30 deg. per. 4 s, max 0.7 g tan.

Pitch +/- 15 deg. oer. 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 22m/s (42 knots)

Wind 100 knots

Dimensions and Weights

ADU 605 x \varnothing 630 mm, 16kg

BDU 42.5 mm/264.5mm/273mm, 2.5kg

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