

## SAILOR® 77 FLEET+

The flagship in maritime communication



**The SAILOR 77 Fleet+ provides global communications services to merchant vessels, government vessels, large fishing boats and super yachts, enabling on board networking for voice, fax and data communications up to 128 kbps, as well as emergency and safety calls. Built on more than 25 years of experience with maritime communications systems, the SAILOR 77 Fleet+ is proven to deliver top performance even in the roughest conditions at sea.**

### **Creating an office at sea**

The SAILOR 77 Fleet+ is the most powerful hub for maritime communication. It allows the integration of a vessel's communications systems with the company's network on land, giving mariners reliable, global and premium quality voice, fax and data services. Connecting the SAILOR 77 Fleet+ to on board control systems can give shore management access to monitor condition of the vessels and its cargo. By implementing third party equipment it is also possible to do crew calling.

### **Fast and cost-efficient data transfer**

With the SAILOR 77 Fleet+ terminal you get data transfer speeds up to 128 kbps via ISDN. You may choose either the MPDS (Mobile Packet Data Service) protocol, where you are charged for the amount of data you send or receive, or ISDN where charges are per minute.

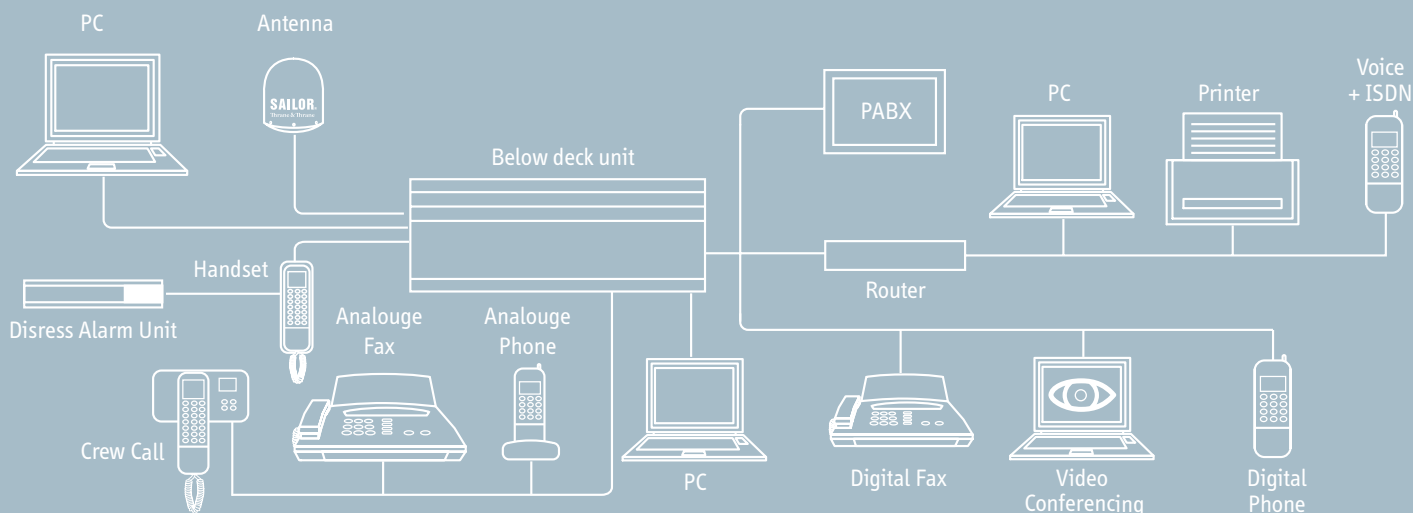
MPDS is the most economic and convenient solution for e-mail, small and medium size file transfer, LAN, VPN and Internet. ISDN provides a high capacity channel with a constant data stream and is usually preferable for up- or downloading large files, videoconferencing and high-quality voice.

### **Safety and distress**

The SAILOR 77 Fleet+ provides Global Maritime Distress functionality, automatically alerting rescue authorities anywhere in the world in the event of marine distress.

### **Important features:**

- All internet services
- Voice and fax
- ISDN point-to-point data
- Distress function (GMDSS)
- Global coverage, 78° north to 78° south



### Specifications

Inmarsat Fleet77 approved.
Compliant to FCC, title 47 part 25, section 25.216.
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 :	4/23 dB at 1,62Ghz and 2 ohm DC loop resistance
RG214 - FRNC	Min 12 m / Max 60 m
S10162B11	Min 30 m / Max 170 m
RG 1/2" 50	Min 45 m / Max 210 m
RG 7/8" 50	Min 80 m / Max 380 m

### Global Service

Voice:	4.8 kbps mini-M voice 3,1 kHz Audio 64 kbps
Group 3 fax capability:	9.6 kbps
Data:	64 kbps UDI
MPDS:	64 kbps shared channel

### Spot Beam Services

Data	128 kbps (optional)
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### Antenna Connector

50 Ω N female for transceiver
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### Interface

2 RJ-45 for analog telephone/fax
4 set terminal block for analog telephone/fax
4 ISDN RJ-45
4 set ISDN terminal block (4 wire)
2 DSUB-9 RS-232 Port, 115 kbps
1 Power Port, AC version 110-240 VAC
2 Power Port, DC version 20-32 VDC
1 On/Off button
1 RS422 terminal block (4 wire)
1 USB connector
1 NMEA input, terminal block (2 wire)
1 Radio Silence, terminal block (4 wire)
1 50 Ω N female for antenna
1 50 Ω TNC female, L-band output

### Power Supply and Consumption

AC version:	110-240 VAC +/- 10%, 47-63 Hz
DC version:	20-32 VDC
Power consumption	40 W receive/idle, 150 W transmitt

### Environmental Conditions

Storage	-30° C to +70° C
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### Operational Temperature

Below Deck Unit	0° C to +45° C
Above Deck Unit	-25° C to +55° C
Relative Humidity:	95% non-condensin at +40° C

### Sealing Class

Below Deck Unit	IP20
Above Deck Unit	IP66

### Ship Motions

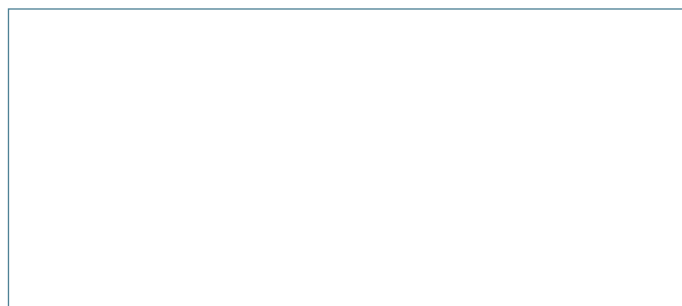
Roll:	+/-30 deg
Pitch:	+/-10 deg
Yaw:	+/-8 deg
Turning Rate:	+/-6 deg/s
Headway:	30 knots

### Telephone Functionality

Number storage	10 last dialed
Address book	99 short numbers
Secure communications	STU IIB / STU III (optional)
Radio silence	Optional
Message indication	Fax & data

### Dimensions and Weight

Above Deck Unit	Mast mount, 108 x Ø117 cm, 56 kg Flush mount, 104 x Ø92 cm, 42 kg
Below Deck Unit	32 x 38 x 9 cm, 7,3 kg
Handset	53 x 150 x 25 mm, 125 g
Cradle	69 x 172 x 38 mm, 170 g
Handset cable length, spiral	3 m (stretched)



Subject to change without further notice.