

IEC telecom



SAILOR 60GX



MARITIME

Compact Antenna for Maritime
Broadband Communications





**STABILISED
CONNECTIVITY IN
EXTREME CONDITIONS**

SINGLE CABLE SYSTEM

**VSAT CONNECTIVITY
FOR SMALL VESSELS**

**REMOTE ACCESS
AND DIAGNOSTICS**

**LIGHTWEIGHT AND
COMPACT DESIGN**

Designed to operate in the harshest sea conditions, SAILOR 60 GX delivers high bandwidth connectivity and maximises onboard operational uptime. Its lightweight and compact aluminium build makes it possible for small vessels to benefit from VSAT connectivity.

With advanced features such as Automatic Azimuth Calibration and Automatic Cable Calibration that enable One Touch Commissioning, SAILOR 60 GX is the most advanced antenna for the Inmarsat Fleet Xpress maritime broadband service.

SAILOR 60 GX is powered by the high-end Ka-band Inmarsat network. Having a long-standing relationship with Inmarsat, IEC Telecom will ensure the best quality of service and provide a range of value-added services to support the requirements of your vessel.

CHARACTERISTICS

System Specifications

- Reflector Size: 65 cm
- Power Options
 - 100 – 240 V AC
 - 50 – 60 Hz
- Vibration
 - Operational: EN60945, DNV 2.4-A, MIL-STD-167-1
 - Survival: EN60945 MIL-STD-167-1 x, EN60721-3-6 6M3
- Shock: EN60721-3-6 6M3
- Temperature
 - Operational: -25°C to 55°C
 - Storage: -40°C to 85°C
- Frequency
 - Rx: 19.2 to 20.2 GHz
 - Tx: 29.0 to 30.0 GHz
- ACU to ADU Antenna Cable: Single 50 Ω coax
- Dimensions: ADU: 91 cm (h)x 82 cm (dia)
- ACU & GMU: 1U 19"
- Weight:
 - ADU: 35 kg
 - ACU: 4.5kg
 - GMU: 3.5kg
- IP Rating:
 - ADU: IP56
 - ACU & GMU: IP30
- Elevation Range: -28° to +120° (ADU)
- Humidity:
 - ADU: 100%, condensing
 - ACU & GMU: 95%, non-condensing

- Transmit Gain: 43.4 dBi typ. @ 29.5 GHz (excl. radome)
- Receive Gain: 40.4 dBi typ. @ 19.7 GHz (excl. radome)
- EIRP: 50.4 dBW typ. @ 29.5 GHz (5 W); 53.4 dBW typ. @ 29.5 GHz (10 W)
- 3-axis Stabilised Tracking Antenna
- Integrated GNSS (GPS, GLONASS, Beidou)

INTERFACE

Antenna Control Unit (ACU)

- 1 x N-Connector for antenna RF Cable (50 Ω)
- 2 x F-Connectors (75 Ω)
- 1 x Ethernet (modem)
- 1 x RS-422
- 1 x RS-232
- 1 x NMEA 0183 (RS-422 or RS-232)
- 2 x Ethernet (user)
- 1 x Ethernet (service, set-up)
- 1 x AC Power Input
- 1 x Grounding Bolt

GX Modem Unit (GMU)

- 1 x LAN Connector
- 2 x F-Connectors (75 Ω)
- 1 x RS-422
- 2 x RS-232 (modem control & modem console)
- 1 x Universal AC Input
- 1 x Grounding Bolt
- Built-in Fan and Heater