

SAILOR® 1000 XTR Ku

Unlock the power to optimise VSAT delivery and performance in any maritime environment with the new SAILOR 1000 XTR Ku antenna system. Integrating the best of SAILOR VSAT Technology, SAILOR 1000 XTR Ku is the first of a new antenna generation to deliver pioneering features that represent the state-of-the-art.

Take Control of Your Antennas

Designed for maritime connectivity services operating on GEO satellites as well as forthcoming NGSO networks, the SAILOR 1000 XTR Ku is one metre of pure innovation. It offers deep IoT capabilities which allow service technicians to take control with visibility into antenna health and performance on demand.

Leveraging Cobham SATCOM's unique R&D facilities and VSAT antenna leadership, the SAILOR 1000 XTR Ku is a technologyleap that enables diverse global satellite connectivity services with unrivalled reliability for safer, greener and more efficient digital ship and fleet management.

A Future Proof Platform

SAILOR XTRTM is the cutting-edge technology platform at the heart of all new SAILOR antenna systems. Its new capabilities can maximise performance and optimise customer service, resulting in industry-leading up time on Ka- and Ku-band satellite networks in any orbit. Technical features including a new type of control box located inside of the Above Deck Unit with a super-fast processor, new modular star network component topology, deep self-diagnostics capabilities and extended, highly secure remote access contribute to optimise every aspect of operation and management of SAILOR XTRTM antennas.



One Antenna Platform For The Future - SAILOR XTRTM USPs

- Rapid deployment technology with a true onecable solution and software-enabled functions replace mechanical intervention during installation and operation
- Best-in-class RF performance ensures that customers get the most out of their VSAT subscription
- Built-in flexibility ready for future satellite networks
- Dual antenna operation for reliable automatic switching between two antennas
- New secure software platform reduces risk of hacking
- New pedestal design simplicity improves mechanical performance

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| Ku-Band 103 cm Compliant with CE (Maritime), ETSI 100-240 VAC, 50-60 Hz 480W peak, 320 W typical 10.70 to 12.75 GHz 13.75 to 14.50 GHz (extended band) |
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| Coax cable (50 $\Omega)$ coax for Rx, Tx, MoCA, and power on a single cable |
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| Female N-Connector (50 Ω) |
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| |
| 3-axis (plus auto skew) stabilised tracking antenna with integrated GNSS supporting GPS, GLONASS, and Beidou |
| Reflector/sub-reflector, ring focus |
| 41.6 dBi typ. @ 14.25 GHz (excl. radome) |
| 40.6 dBi typ. @ 11.70 GHz (excl. radome) |
| 19.9 dB/K typ. @ 12.75 GHz, at \geq 30° elevation and clear sky (incl. radome) |
| 8 W or 16 W, extended frequency, LO: 12.8 GH |
| 50.1 dBW (8 W) or 53.1 dBW (16 W), incl. radome |
| 2x multi-band LNBs |
| Linear X-Pol and Co-Pol |
| Internal "all band/modulation type" and VSA modem RSSI |
| Automatic - with Gyro/GPS Compass input. Support for gyro free operation |
| -18° to +118° |
| Unlimited (Rotary Joint) |
| Roll +/-30°, Pitch +/-15°, Yaw +/-10° |
| 15°/s and 15°/s2 |
| Linear accelerations +/-2.5 g max any directi |
| Sine: EN 60945 (8.7.2), DNV A, MIL-STD-167-1 (5.1.3.3.5). Random: Maritime |
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| Vibration, survival | Sine: EN 60945 (8.7.2) dwell, MIL-STD-167-1 (5.1.3.3.5) dwell. Random: Maritime survival. IEC EN 60721-4-6 |
|---|---|
| Shock | MIL-STD-810F 516.5 (Proc. II), IEC EN 60721-4-6 |
| Temperature (ambient): With SAILOR SMART heater option: P/N: 407090-001 | Operational: -25°C to +55°C / -13°F to +131°F |
| | Operational: -55°C to +55°C / -67°F to +131°F Storage: -40°C to +85°C / -40°F to +185°F |
| Humidity | 95%, condensing |
| Rain / IP class | EN 60945 Exposed / IPX6 |
| Wind | 80 knots operational / 110 knots Survival |
| Ice, survival | 25 mm |
| Solar radiation | 1120 W/m2 to MIL-STD-810F 505.4 |
| Compass safe distance | 1.7 metres to EN 60945 |
| Maintenance, scheduled | None |
| Maintenance, unscheduled | All modules, motor, RF parts and belts are replaceable through service hatch |
| Built In Test | Power On Self-Test, Person Activated Self- Test and Continuous Monitoring w. error logging |
| Dimensions (over all) | Height: H 150 cm Diameter: Ø 130 cm |
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| Weight | 120 kgs |
| Weight Below Deck Unit (BDU) | 120 kgs |
| · | 120 kgs 1U 19" Rack Mount HxWxD: 4.4 x 48 x 33 cm |
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| Input power | 100 - 240 VAC, 320 W typical, 480 W peak |
|--------------------|--|
| Display | OLED (red) display, 5 pushbuttons, 3 discrete indicator LEDs and ON/OFF switch |
| No transmit zones | Programmable, 8 zones with azimuth and elevation |
| VSAT Modem Support | |
| Modem | protocols OpenAMIP |
| | SatLink roaming protocol |
| | Generic modem with optional analogue RSSI input and GPS output |
| Modem | hardware iDirect X7 |

iDirect iQ200 Newtec MDM2510 SatLink 2900/2910

