

SAILOR® 4300 L-BAND

COBHAM

Securing your link to Iridium's next generation satellite services

Product Sheet

The most important thing we build is trust

Compact and incredibly easy to install, the SAILOR 4300 Iridium Certus Connected™ terminal is the pinnacle of L-band satcom performance and reliability. It ensures that your link to the Iridium® NEXT network is always available so you can operate safer, smarter and more efficiently through the power of always available communication and digitally connected applications.

Next generation

Iridium CertusSM is a new portfolio of global satellite services powered by Iridium® NEXT, a ground-breaking L-band global satellite constellation, which features a cross-linked Low-Earth Orbit (LEO) architecture to provide 100% coverage over the earth's surface. With SAILOR 4300 providing your on board link, you are guaranteed high bandwidth IP connectivity and three high-quality voice lines for global calling wherever you are.

Heavyweight applications

Available in bulkhead and 19" rackmount configuration, SAILOR 4300 offers the most reliable connection to the Iridium® NEXT satellite network with speeds suitable for data-heavy applications including: videoconferencing, multi-user Internet/VPN, IoT and telemedicine, alongside regular usage including email, electronic forms/reporting and crew communication.

Operational continuity

SAILOR 4300 is designed to withstand the harshest maritime environments. Reliability is high and lifecycle costs are inherently low – it is built to such high quality that there is no scheduled service interval and no maintenance for at least 10 years after installation. But should something go wrong, you have the sup-

port and knowledge of Cobham SATCOM's unique Global Service Network to get you back online wherever you are.

Understanding innovation

As the market leader in maritime L-band terminals, Cobham SATCOM delivers innovation based on our innate understanding

of the operational realities and strategic goals of our service provider partners and end-users. When moving to Iridium® NEXT using SAILOR 4300, you get the best available Iridium CertusSM voice and data service anywhere in the world from an easy to install terminal with a rich feature-set and class-leading lifecycle costs.

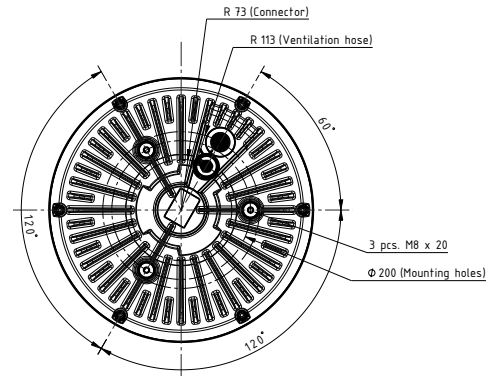
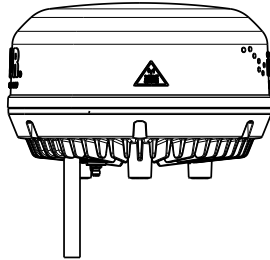
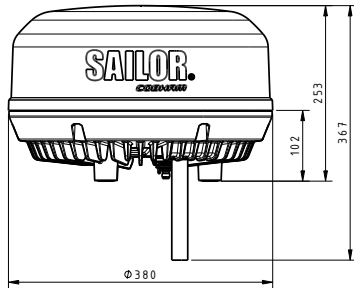


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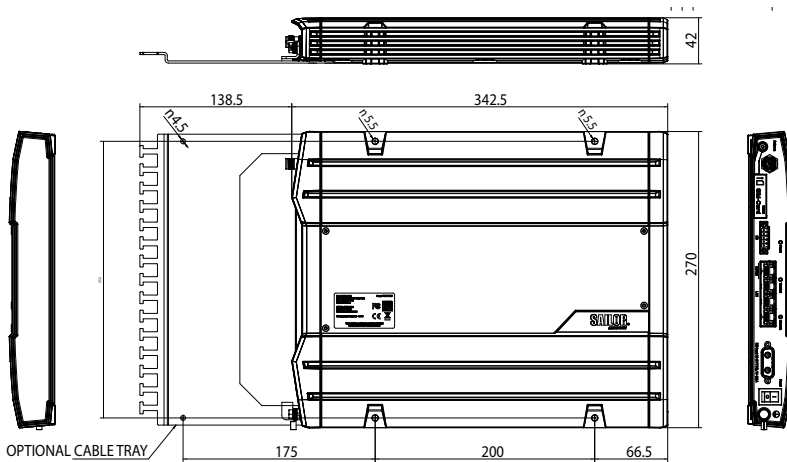
The flexible global connectivity and voice solution



SAILOR 4300 L-Band Above Deck Unit (8 kg)



SAILOR 4300 L-Band Below Deck Unit (3.2kg)



APPROVALS

Iridium next approved. Compliant to RED, CE Marked. Testet to FCC part 25

FREQUENCY BAND

| | |
|----|-------------------|
| Rx | 1616 - 1626.5 MHz |
| Tx | 1616 - 1626.5 MHz |

RECOMMENDED ANTENNA CABLE

| | |
|------------|---|
| Cable loss | Maximum 1.8ohm DC loop resistance maximum 10dB loss at 80MHz |
|------------|---|

ANTENNA CONNECTORS

| | |
|-----|-------------|
| ADU | TNC, female |
| BDU | TNC, female |

POWER SUPPLY AND CONSUMPTION

| | |
|--|----------------|
| DC input range (isolated) | 10.8V to 31.2V |
| Power (max) incl. antenna & PoE output | 120W @ 10-32 V |

ENVIRONMENTAL CONDITIONS

| | |
|--------------------------------|--|
| Ambient Temperature | -25 to +55° C |
| Storage | -35 to +85° C |
| Automatic thermal surveillance | Shuts down system gradually in ease of own temperature |
| BDU operating humidity | 95% non-condensing at +40° C |
| BDU enclosure | IP31 |
| ADU operating humidity | 95% non-condensing at +40° C |
| ADU enclosure | IPX6 |

VIBRATION (ADU)

| | |
|------------------------|--|
| Vibration, operational | Sine: Certified for IEC 60945 (8.7.2) Random spectrum 0.92 g rms x 3 axis 5 to 20 Hz: 0.01 g2/Hz 20 to 500 Hz: -3 dB/octave |
| Vibration, survival | Sine: Certified for IEC 60945 (8.7.2) dwell Random spectrum 1.7 g rms 2 h x 3 axes (6 h total): 5 to 20 Hz: 0.05 g2/Hz 20 to 150 Hz: -3 dB/octave |

SHIP MOTION

| | |
|---------------|---|
| Roll | +/- 30 deg. per. 8 s, max 0.5 g tan. |
| Pitch | +/- 10 deg. per. 6 s, max 0.5 g tan. |
| Yaw | +/- 8 deg. per. 50 s, max 0.2 g tan. |
| Surge | +/- 0.2 g |
| Sway | +/- 0.2 g |
| Heave | +/- 0.5 g |
| Turning rate | +/- 6 deg/s; acc. 1 deg./s ² |
| Headway speed | 30 knots (15 m/s) |
| Wind | 200 km/hr (108 knots) |

MECHANICAL SHOCK

20g/11 half-sine

SPECIFICATION

| | |
|---------------|--------------------------------------|
| Standard IP | 176/352 kbps |
| Ethernet/LAN | 4 ports |
| I/O Connector | 1 connector |
| Status LED | Full status LED panel |
| SIM Card Slot | 1 SIM Card slot for Iridium SIM card |

For further information please contact:

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