

SAILOR® 4300 L-Band

Securing your link to Iridium's next generation satellite services. 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; video conferencing, 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 support and knowledge of Cobham SATCOM's unique Global Service Network to get you back online wherever you are.

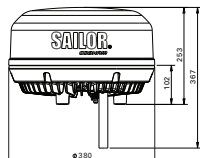
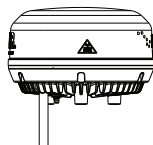
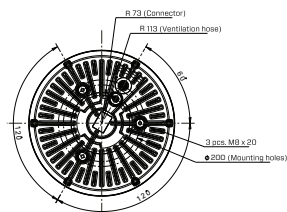


Understanding innovation

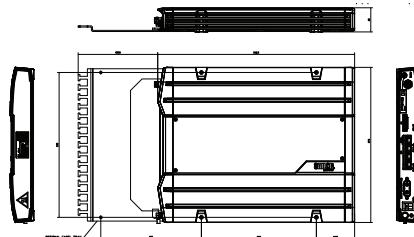
As the market leader in maritime L-band terminals, Cobham SATCOM delivers innovation based on our innate understanding of the operational realities and strategic goals of our service provider partners and end-users. When moving to Iridium® NEXT using SAILOR 4300, you get the best available Iridium CertusSM 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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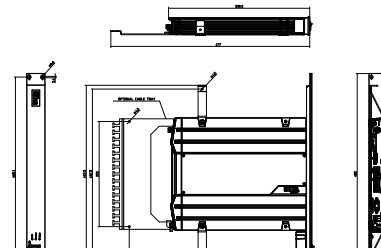
Sailor 4300 Iridium Next Above Deck Unit (8 kg)



Sailor 4300 Iridium Next Below Deck Unit (3.2 kg)



Sailor 4300 Iridium Next Below Deck Unit 19" (3.8 kg)



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 max/min 20 dB at 1,62 GHz and 1.0 DC loop resistance max 3 dB at 36 MHz - max 4

Antenna Connectors dB at 54 MHz

ADU TNC, female

BDU TNC, female

Power Supply and Consumption

DC input range (isolated) 10.5V to 32V DC

Power (max) incl. antenna & PoE output 120W @ 10-32 V

Environmental Conditions

Ambient Temperature

Storage 36.0 dBi typ. @ 11.70 GHz (incl. radome)

Automatic thermal surveillance Shuts down system gradually in ease of own temperature

BDU operating humidity 95% non-condensing at +40°C

ADU enclosure IPX6

ADU operating humidity 95% non-condensing at +40°C

BDU enclosure IP31

Icing (survival) Max 25 mm

Vibration (ADU)

Vibration, operational

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

Vibration, non-operational

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. 4 s, max 0.7 g tan.

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

Wind 200 km/hr (100 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