



Iridium Certus[®] Maritime

FACT SHEET

Redefining Mobile Communications at Sea

Iridium Certus[®] is a new mobile broadband capability offered by Iridium[®], that delivers the most reliable service, combined with the highest L-Band speeds, to any place on earth – offering a real choice and superior connectivity alternative for the maritime community.

With low-cost yet highly robust equipment and truly global coverage to any sea — including the poles — Iridium Certus brings you the ideal platform for operational communications and safety services across all maritime market sectors and geographies.

One Platform for Any Need

Iridium Certus delivers the satellite communications technology that the maritime industry demands, and truly global coverage — without long service contracts and unnecessary high cost services. With speeds up to 704 Kbps, one platform provides innovative solutions to support crew welfare, optimized business operations and logistics, maximized safety, and reliable emergency communications.

Supporting high-quality voice, IP data, messaging through Iridium Messaging TransportSM (IMTSM)*, prepaid services, and global GMDSS*, Iridium Certus enables a complete range of maritime applications.

Products

Iridium Certus maritime terminals are being reliably designed and built by world-class manufacturers. These solid-state antennas are virtually maintenance-free, with no moving parts to wear out. The small form-factor and lightweight antennas ensure ease of installation, offer a streamlined upgrade path from existing services, and are supported around the world.

Key Advantages

- **Everything You Need** - With multiple high-quality voice lines, high-speed IP data, messaging through Iridium Messaging TransportSM (IMTSM)* and safety services in one terminal, Iridium Certus powers all of your

communications needs at sea.

- **Best Value** - Iridium Certus combines lower cost equipment and better value airtime — without long contracts and high-cost services you simply don't need.
- **Superior Reliability** - The Iridium network operates as a fully-meshed global canopy with high-speed cross-links designed to deliver uniform coverage and data speed, while Iridium Certus antennas installed on vessels contain no moving parts that might wear out.
- **Absolute Global Coverage** - The Iridium network features an overlapping mesh architecture that provides uniform coverage across the globe, including extreme latitudes and throughout the Polar Regions.
- **Low Latency** - The Iridium satellites are in Low-Earth Orbit (780 km), so signals travel in 1/40 the time compared to geostationary satellites (36,000 km), resulting in low-latency, high-speed, always-on connections.
- **Optimal Signal Delivery** - Low frequency L-Band signals can better penetrate clouds, fog and rain, while the Iridium network's Low-Earth Orbit design eliminates equatorial geo-arc interference.

Example Submarkets & Applications

Merchant Shipping	Workboat
<ul style="list-style-type: none">• Vessel Operations• Connected Ship• Safety & Security• Cargo Monitoring• Ship-to-Shore Crew Welfare	<ul style="list-style-type: none">• Connected Ship• Safety & Security• Bridge & Crew Communications
Autonomous Vessels	Leisure Boating
<ul style="list-style-type: none">• Performance & Safety• Vessel Telematics• Remote Support	<ul style="list-style-type: none">• Captain & Passenger Communications• Connected Ship• Safety Communications
Cruise	Commercial Fishing
<ul style="list-style-type: none">• Bridge & Safety Communications• Connected Ship• Guest, Crew & Hotel Communications	<ul style="list-style-type: none">• Vessel Operations• Safety & Compliance• Crew Welfare• Real Time Fleet Management• VMS & Sustainable Fishing


Iridium keeps ships connected, efficient and safe at sea. Learn more about the best choice for maritime – Iridium Certus - at


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Value-Added manufacturers: Blue Sky Network, Cobham, Intellian, Lars Thrane, and Thales
Enabling Service: Iridium Certus®

Iridium commands the world's furthest reaching network, making it the only truly global communications company with solutions that span from pole-to-pole. Iridium voice and data products provide superior communications solutions that allow global companies, government agencies and individuals to stay connected everywhere. With a unique, global ecosystem of partners, Iridium continues to create new, high-value capabilities that are leading the world into a new era of communication.

www.iridium.com

*Expected in Q3, 2022.

**Narrowband GMDSS service began in 2020; Iridium Certus GMDSS service is expected at a future date.