



FACT SHEET

Iridium CertusSM

Redefining Mobile Communications at Sea

Iridium Certus, a new mobile broadband capability offered by Iridium, will deliver the most reliable service, combined with the highest L-Band speeds, to any place on earth – finally 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 debuting at 352Kbps, upgradable to 704Kbps, one platform will deliver innovative solutions to support crew welfare, optimized business operations and logistics, maximized safety, and reliable emergency communications.

Supporting high-quality voice, IP data, prepaid services and global GMDSS*, Iridium Certus will enable a complete range of maritime applications.

Products

Iridium Certus maritime terminals are being reliably designed and built by world-class manufacturers Cobham and Thales. 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.

Markets

- ▶ **Merchant Shipping** - Cargo Shipping, Coastal Shipping, Bulkers and Tankers
- ▶ **Commercial Fishing** - Factory Fishing, Seiners, Small Fishing Vessels
- ▶ **Leisure** - Yachts, Sailboats, and Recreational Boats
- ▶ **Offshore** - Offshore Platforms, Rigs, Buoys
- ▶ **Workboats** - Tugs, Tows, Supply Vessels, Crew Transport and Dredgers
- ▶ **Government Applications** - Research Vessels, Scientific Ships, Fisheries Vessels, Seismic Ships, Coast Guard Cutters and Ice Breakers, Autonomous Vessels/Submarine



Applications

Crew Communications	Connected Ship
<ul style="list-style-type: none">▶ Multiple High-Quality Voice Lines▶ Smartphone Access▶ Messaging Apps▶ Prepaid Platform	<ul style="list-style-type: none">▶ Fuel Monitoring▶ Engine Monitoring▶ Cargo Tracking▶ Remote Diagnostics
Bridge Communications	Safety Communications
<ul style="list-style-type: none">▶ Weather Data▶ Email and Web Access▶ File Transfer▶ Database Sync▶ Hybrid Cellular/VSAT System	<ul style="list-style-type: none">▶ GMDSS*▶ Safety Alerting▶ Safety Calling▶ Telemedicine

*IMO recognition received in 2018; service availability expected in 2020.

Key Advantages

- ▶ **Everything You Need** - With multiple high-quality voice lines, high-speed IP data 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 (800 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.

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

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Value-Added Manufacturers: Cobham and Thales
Enabling Service: Iridium CertusSM

Only One Communications Company Connects the Entire Globe

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

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