



FlexMaritime LEO

High-speed, low-latency
satellite solution for the
maritime industry



Low-Earth Orbit (LEO) Connectivity Solution for Next-generation Maritime Communications

Merchant shipping and enterprise fishing operations face significant communication challenges due to the remote and mobile nature of their activities.

Traditional satellite systems often suffer from high latency, limited bandwidth, and coverage that does not include polar regions. These limitations hinder critical functions such as navigation updates, weather forecasting, emergency response, and regulatory compliance. Additionally, limitations of traditional satellite networks can affect crew welfare by restricting access to family and online services.

LEO satellite networks address these challenges by offering low-latency, high-speed, and globally consistent coverage, enabling safer, more efficient, and more connected maritime operations.

Chart a Smarter Course with LEO for Advanced Maritime Communications

Introducing FlexMaritime LEO for High-speed, Low-latency Connectivity at Sea

Intelsat's FlexMaritime LEO is a managed service designed to meet the rapidly evolving connectivity needs of merchant shipping and enterprise fishing operations. As a complete commercial maritime communications solution, FlexMaritime LEO offers:

- Low-Earth orbit connectivity on the OneWeb LEO network
- A portfolio of high-performing maritime LEO terminals
- Intelsat's expert service management and network operations support
- Unique offerings through Intelsat's carefully selected solutions partners
- A great complement to Intelsat's flagship FlexMaritime GEO and other geostationary satellite services



Low Latency, High Speed

Speeds up to 100 Mbps download
and up to 32 Mbps upload
and latency ~70 milliseconds
for real-time applications



Robust Coverage

Worldwide coverage including polar
regions for transoceanic routes
and operating far from shore



Crew Welfare and Retention

High-speed internet access so crew
members stay in touch with family
and online services



Supports IoT and Automation

Enables predictive maintenance,
automated catch reporting,
and remote diagnostics.



Operational Efficiency

Real-time data for fuel optimization,
engine performance monitoring,
and more.

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FlexMaritime LEO Satellite Terminals*

Intelsat offers a range of cutting-edge LEO terminals for robust connectivity and easy deployment.



Intellian OW10HM

High Mobility Applications

- Optimal performance in a small lightweight and sleek form factor ideal for smaller vessels, including enterprise fishing.
- Speeds: Up to 60 Mbps download and 10 Mbps upload
- Dimensions: 56 cm x 45 cm x 12 cm (22 in. x 17.7 in. x 4.7 in.)
- Weight: 12.2kg (26.9 lbs.)



Intellian OW11FM

Flexibility and Performance

- Flat Panel user terminal delivering low-latency, high-speed connectivity and reliability for critical communications, crew welfare, safety, route planning, and entertainment.
- Speeds: Up to 100 Mbps download and 20 Mbps upload
- Dimensions: 96 cm x 50 cm x 12 cm (37.8 in. x 19.7 in. x 4.7 in.)
- Weight: 20.5 kg (45.1 lbs.)



Intellian OW70M
Dual Parabolic

Maximizing Throughput and Efficiency

- Cutting-edge dual parabolic user terminal enabling high-speed applications for crew welfare while facilitating real-time critical operational communications.
- Speeds: Up to 195 Mbps download and 32 Mbps upload
- Dimensions: 110.2 cm x 96.8 cm (43.4 in. x 38.1 in.)
- Weight (each): 62 kg (136.6 lbs.)



Kymeta Peregrine u8

Flat Panel Antenna Technology

- Reliable communications in challenging conditions. Seamlessly integrates with vessel IT infrastructure.
- Speeds: Up to 195 Mbps download and 32 Mbps upload
- Dimensions: 89.5 cm x 89.5 cm x 14 cm (35.2 in. x 35.2 in. x 5.5 in.)
- Weight: 30.1 kg (66 lbs.)

*Additional terminal spec details are available upon request.

Offered Exclusively Through Intelsat's Solutions Partners

Offered through our carefully selected solutions partners, Intelsat offers a suite of advanced connectivity solutions for the commercial maritime industry. Contact your service provider or Intelsat sales representative to ask about our suite of FlexMaritime solutions to meet your unique maritime communications needs.

Learn more at intelsat.com/flexmaritime