



Iridium Global Line of SightSM

FACT SHEET

Stay Connected to Autonomous Systems From Pole to Pole

Autonomous systems are rapidly evolving to provide safer, more efficient technologies for industries around the world. As the only truly global communications network, Iridium® allows companies, organizations, and governments the ability to stay connected to their remotely-piloted vehicles in the air, on land, and at sea from anywhere in the world. With no coverage limitations, your autonomous solutions are within "line of sight" across the globe, simplifying integration and deployment while, enabling efficient operations across industries.

Overview

In the fast-paced unmanned aerial systems (UAS) market, only one company keeps you in control anywhere on the planet. Iridium enables remote solutions for autonomous systems anywhere in the world, making work safer and more efficient. Iridium's Global Line of Sight (GLOSSM) services are powered by the only truly global network that provides low latency and reliable connectivity anywhere in Earth's atmosphere.

Internet of Things (IoT)

Global businesses need access to global data. That's why, every day, leading companies turn to the world's only truly global Internet of Things (IoT) network to maximize efficiencies and competitiveness, and enable data accessibility, everywhere. With a no-compromise communications model, Iridium IoT powers new innovation and opportunity through a unique combination of global network connectivity, industry-leading core technology and an ecosystem of partners with expertise in virtually every market.

Services

The Iridium® network extends the reach of terrestrial and cellular infrastructure with truly mobile communications capabilities, making it ideal for supporting the connectivity needs of autonomous systems regardless of location, terrain, or weather. From pole to pole, Iridium's global, low-latency data services provide the ideal solutions for transmitting voice and data messages between remote vehicles and centralized computer systems.

Through a variety of compact, low-weight transceivers, Iridium Short Burst Data® (SBD®) enables:

- ▶ Global Line of Sight (GLOS) Services for Beyond Visual Line of Sight (BVLOS) Performance Across the Globe
- ▶ Command & Control (C2) Companion Communications
- ▶ Telematics
- ▶ Remote ID

The Iridium Certus™ 9770 will enable additional midband services for UAS, including:

- ▶ UAV/UAS Traffic Management (UTM)
- ▶ Safety Services
- ▶ Photo Transfer

Applications

Aviation	Maritime
<ul style="list-style-type: none">▶ Urban Air Mobility (UAM) / Air Taxis▶ Autonomous Vertical Take Off & Landing (VTOL) Vehicles▶ UAS Traffic Management (UTM)▶ Global Network-Based Remote ID▶ Package Delivery	<ul style="list-style-type: none">▶ Maritime Domain Awareness & Collision Detection▶ Performance Optimization▶ Ocean Profiling / Climate Monitoring▶ Scientific Research▶ Autonomous & Semi-Autonomous Cargo Shipping
Land Mobile	Government
<ul style="list-style-type: none">▶ Remote Delivery▶ Autonomous Transportation Autonomous▶ Mining, Farming, & Construction Applications	<ul style="list-style-type: none">▶ UAS / UAV▶ Submarines and Unmanned Undersea Vehicles (UUV)▶ Disaster Assessment & Response▶ Atmospheric Observations▶ Meteorology & Weather Forecasting▶ Wildlife & Habitat Monitoring

Key Advantages

Through a variety of Iridium Connected® solutions, Iridium and its industry-leading technology partners provide organizations around the world with the ability to:

- ▶ Extend their reach beyond terrestrial networks
- ▶ Make more informed decisions with real-time access to data
- ▶ Optimize operations and reduce costs by increasing efficiencies
- ▶ Protect critical assets and equipment through global tracking and monitoring
- ▶ Generate new revenue by unlocking opportunities in remote areas

Core Technology

Iridium's industry-leading core technology enables its partners to provide organizations around the world with solutions for the Autonomous market. These small, lightweight, powerful transceivers increase the capabilities and mission time of unmanned or autonomous systems dramatically:

- ▶ Iridium Core 9523
- ▶ Iridium 9602
- ▶ Iridium 9603
- ▶ Iridium Certus™ 9770



Only One Communications Company Connects the Entire Globe

Iridium is a satellite communications company that offers voice and data connectivity anywhere in the world.

Powered by a unique constellation of 66 cross-linked Low-Earth Orbit (LEO) satellites, the Iridium® network enables global connections between people, organizations and assets, in real time. Through an expansive partner network of over 400 international technology companies, Iridium is advancing the way enterprises, governments, and individuals communicate every day.

www.iridium.com

