



## Iridium Certus® 700

## FACT SHEET

### *The Fastest L-Band Data Speeds Available from Pole to Pole*

Iridium Certus is an award-winning, advanced, multi-service platform enabled by the upgraded truly global Iridium® constellation. Offering the highest L-Band data throughput available, Iridium Certus offers the flexibility to scale device speed, size, and power requirements, both up and down, based on the needs of end-users.

#### **The Iridium Network**

The unique architecture of the Iridium constellation provides inherent advantages in performance and reliability over other mobile satellite service providers:

- ▶ 66 cross-linked satellites with multiple overlapping spot beams provide reliable communications anywhere in the world
- ▶ Iridium's network provides truly global coverage and minimizes line-of-sight issues
- ▶ Low Earth Orbit provides a shorter transmission path with less signal attenuation
- ▶ L-Band frequency is resilient to adverse weather

#### **A New Constellation**

Iridium completed a multi-year constellation upgrade in early 2019, replacing all its satellites and upgrading the supporting ground infrastructure. A leader in the industry, Iridium enables products and services that are ideally suited for industries requiring reliable connections and critical communications such as maritime, aviation, and land, as well as government and military groups around the world.

#### **The Fastest L-Band Available**

With top download speeds up to 704 Kbps, no other service can match the speed, coverage, or reliability of Iridium Certus 700. Whether staying connected with loved ones while at sea, responding to an emergency situation, or maintaining business continuity, Iridium Certus 700 offers a superior platform to deliver the most important information when and where you need it most.

#### **Partner Ecosystem**

Through an expansive, value-added partner network, Iridium is advancing the way enterprises, governments, and individuals communicate every day. Select Iridium Certus value-added manufacturers use our core technology to develop hundreds of innovative Iridium Connected® solutions, and Iridium Certus Service Providers bring communications and connectivity through these solutions to users all around the world.

#### **Key Advantages**

- ▶ Three (3) simultaneous high-quality voice lines
- ▶ IP Data speeds up to 704 Kbps
- ▶ Secondary Data Flows
- ▶ Iridium Certus messaging
- ▶ High-speed streaming
- ▶ Prepaid voice and data plans

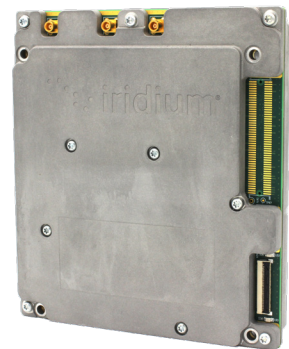
## Applications

Maritime	Land Mobile
<ul style="list-style-type: none"> <li>▶ Merchant Shipping</li> <li>▶ Commercial Fishing</li> <li>▶ Workboats</li> <li>▶ Governments</li> <li>▶ Oil &amp; Gas</li> </ul>	<ul style="list-style-type: none"> <li>▶ Rail</li> <li>▶ Remote Transportation</li> <li>▶ Emergency &amp; First Response</li> <li>▶ Military / Foreign MODs</li> <li>▶ NGOs</li> </ul>
Aviation	U.S. Government
<ul style="list-style-type: none"> <li>▶ Business Aviation</li> <li>▶ Rotorcraft &amp; Fixed Wing Aircraft</li> <li>▶ General Aviation</li> <li>▶ Commercial Aviation</li> <li>▶ Unmanned Aerial Vehicles (UAV)</li> </ul>	<ul style="list-style-type: none"> <li>▶ Secure communications-on-the-move (COTM)</li> <li>▶ Beyond-line-of-sight, over-the-horizon voice and data</li> <li>▶ Blue Force Tracking</li> <li>▶ Real-time usage statistics</li> <li>▶ Surveillance, detection, and alerting</li> </ul>

## Core Technology

The Iridium Certus™ 9810 is the first Iridium Certus broadband transceiver, enabling speeds of up to 352 Kbps transmit and 704 Kbps receive. This transceiver allows select Iridium Certus value-added manufacturers to develop innovative and critical specialty broadband solutions for organizations and governments around the world.

- ▶ **Size:** 150.6 mm x 133.6 mm x 18.2 mm
- ▶ **Weight:** 0.5 kg (< 1 lb)
- ▶ **Regulatory:** FCC, IC, CE, ETSI, AS/NZS, RoHS Compliant
- ▶ **Antenna:** Flexible design supports high-gain multi-element and low-gain omnidirectional antennas



## Products



**Thales MissionLINK™**  
*Land Mobile*



**Thales VesseLINK™**  
*Maritime*



**Cobham SAILOR 4300**  
*Maritime*



**Intellian C700**  
*Maritime*

## 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](http://www.iridium.com)



**Mackay**  
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Satellite PTT, Voice & Data Equipment and Airtime