



# Iridium Messaging Transport<sup>SM</sup>

## FACT SHEET

*A fully integrated, cloud native networked data service*

Iridium Messaging Transport<sup>SM</sup> (IMT<sup>SM</sup>) provides customers small- to moderate-sized IoT messaging through Iridium CloudConnect and offers industry standard protocols, programming, message topics and Pub/Sub capabilities through a wide range of Iridium Certus<sup>TM</sup> modules. IMT is the future of IoT for satellite communications.

### Overview

IMT enables customer terminals using Iridium Certus<sup>TM</sup> modules to send and receive data over the Iridium<sup>®</sup> network utilizing industry standard terrestrial IoT / data transactions methods, dramatically simplifying the design, development, integration, message management and transaction flow.



**Message Size:** IMT transfers data in packet sizes from 1 to 100,000 bytes, providing the ultimate flexibility to meet application requirements.



**Pub / Sub:** IMT's approach to publish / subscribe messaging serves as the middleware for data transfers as a simple communication methodology.



**Industry Standard Protocols:** IMT uses Python – known to programmers around the world – and customers receive data in Simple Queue Service (SQS) in JavaScript Object Notation (JSON) format.



**Iridium Modules:** Iridium Certus module firmware will be updated to soon offer IMT across the entire Iridium Certus module portfolio, starting with the Iridium Certus<sup>TM</sup> 9770. Please consult your Iridium account manager for specifics.



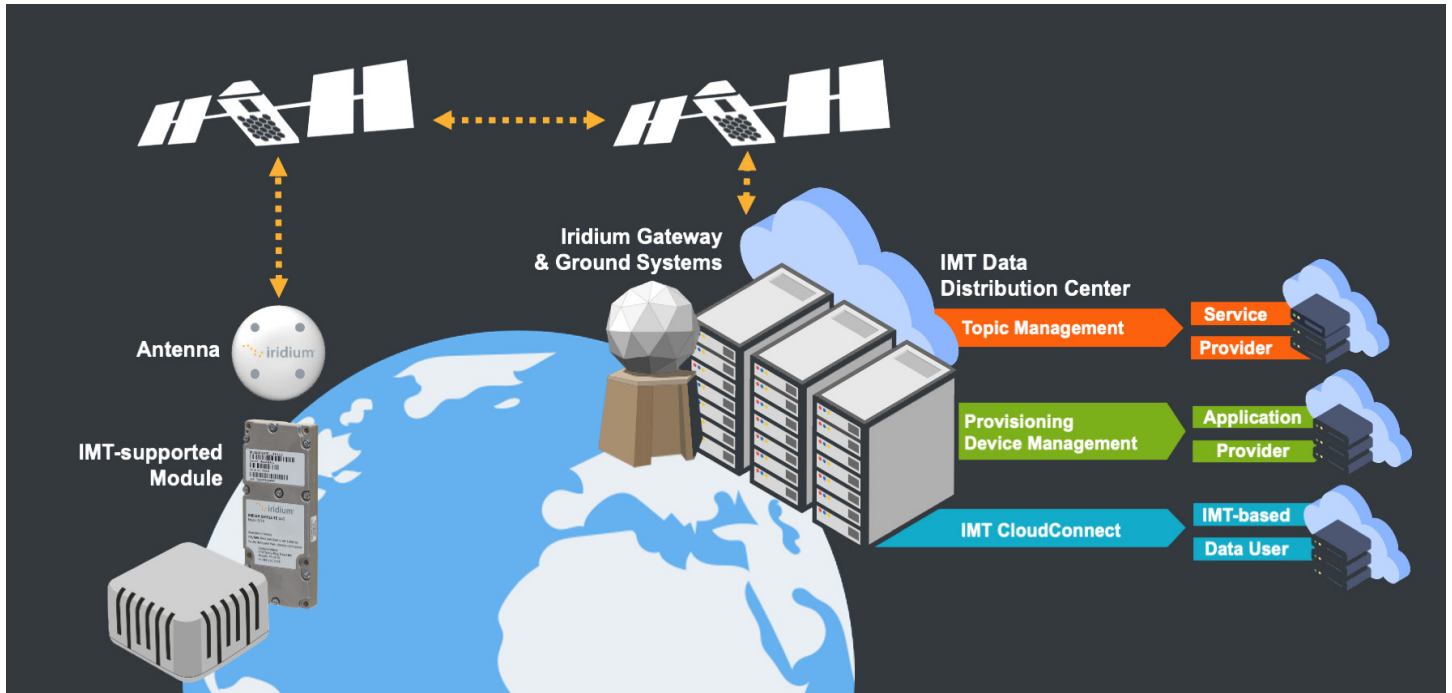
**Topics:** IMT sends/receives messages by Topics, with unique settings for priorities, persistence, and queue sizes.

### Applications

IMT is ideal for data that does not require a persistent connection:

- ▶ IoT
- ▶ Machine-to-machine communications (M2M)
- ▶ Email
- ▶ Group communications
- ▶ Weather forecast
- ▶ Transactions

## How it Works



**Application Providers (APs):** Develop applications that send and receive messages via IMT; build server-side, cloud-based functionality and/or applications that control modules.

**Service Providers (SPs) and Value-Added Resellers (VARs):** Activate AP Topics in SPNet / IWS.

**Cloud Service Providers:** Environment where APs host the server-side application.

**Data Application:** Data-consuming application based on the device-side application.

## Key Advantages



**Transfer:** IMT transfers data through closed-carrier networks and dedicated, secure private connections between Iridium and AWS.



**Coverage:** Leverages Iridium's truly global network and AWS's redundant infrastructure and support.



**Authentication:** IMT uses cross-account authentication. A simple script creates the necessary infrastructure for Topic queue sets.



**Security:** Uses a dedicated, secure, private connection to directly connect Iridium to AWS.



**Private Queues:** Topic queue set queues reside in the customer's AWS Virtual Private Cloud (VPC) environment.



**Easy Upgrade:** IMT is a simple server-side shift for customers who already use Iridium Short Burst Data® (SBD®) with Iridium CloudConnect and allows data ingestion regardless of underlying over-the-air and ground systems technologies and protocols.



Scan the QR code to learn more about IMT

## 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 nearly 500 international technology companies, Iridium is advancing the way enterprises, governments, and individuals communicate every day.

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

