

STREAM1



NEW

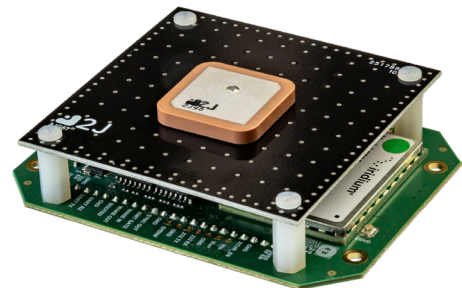
2025-06 v7

Revolutionary IoT Connectivity: Real-Time. Mission Critical. Truly Global.

The STREAM™1 delivers seamless global connectivity for industrial and remote applications. Powered by the Iridium Certus™ 9704 transceiver and optimized for Iridium Messaging Transport® (IMT®), it provides fast, reliable, and low-latency communication. STREAM1 offers the performance and flexibility required to keep operations running smoothly in even the most demanding environments.

Offered as either an OEM version for custom integration or a fully enclosed plug-and-play model for rapid deployment, it adapts to the needs of your project. With truly global coverage, STREAM1 excels in asset tracking, battlefield logistics, maritime data collection, and cellular backup where conventional networks are unavailable. Ideal for IoT sensors and satellite-connected devices, it is the trusted solution for building robust, connected systems that operate anywhere in the world.

STREAM1



- **Global Coverage:** Perfect for remote and hard-to-reach areas
- **Improved Data Speed & Low Latency:** For fast, reliable real-time data transfer
- **Compact & Power-Efficient Design:** Ideal for applications where space and power are limited
- **Seamless Cloud Integration:** Compatible with AWS and other cloud services for streamlined data management
- **Durable Build for Harsh Environments:** Designed to operate reliably in extreme conditions

Empowering Data Connectivity, Everywhere.

STREAM1 TECHNICAL SPECIFICATIONS

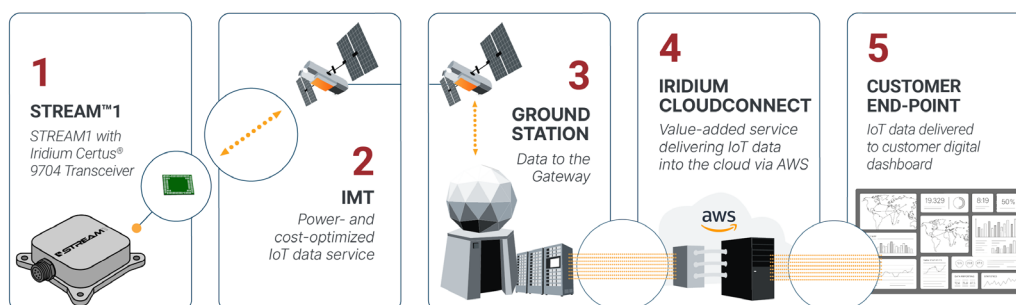
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PHYSICAL	STREAM1	STREAM1 OEM
Dimensions	117.1 x 115.8 x 42.9 mm (4.61 x 4.56 x 1.69")	90.2 x 70.4 x 25.9 mm (3.55 x 2.77 x 1.02")
Weight	0.226 kg	0.15 kg
CONSTRUCTION		
Case Material	Polycarbonate	N/A
Data / Power Connector	5 pin panel mount, receptacle, male pins, bayonet lock	Board solder points
ELECTRICAL		
Voltage	7.0 - 40 V Direct Current	5.0 - 40 V Direct Current
Standby Current	17 mA @ 12 V	
Iridium Disabled Current	<500 uA @ 12 V	
Power Off Current	< 50 uA @ 12 V	
Transmit Current	175 mA @ 12 V	
OPERATIONAL		
Operating Temperature	-40 to 70°C (-40 to 158°F)	
Storage Temperature	-40 to 85°C (-40 to 185°F)	
Ingress Protection	IP67 (when mating connector is attached)	
COMMUNICATION		
Antenna	Internal Patch Antenna	Removeable Patch Antenna
Transceiver	Iridium Certus™ 9704 IMT Transceiver	
Serial Comm	RS-232	
INDUSTRY CERTIFICATIONS		
RF	ISED & FCC	

*All specifications are subject to change without notice to improve reliability, function, design or otherwise. Please contact technical support at support@metocean.com for more information.

Iridium Data Services Comparison

	SBD	RUDICS	IRIDIUM IMT
Protocol	Iridium Proprietary	Point to Point Protocol (PPP)	IoT Technology Standard
Speed	Up to 2.4 Kbps	Up to 2.4 Kbps	Up to 4.8 Kbps
Size	Up to 340 Bytes	Open Connection limited to 2.4 Kbps	Up to 100,000 Bytes
Data Delivery	Store and Forward	Duplex IP Connectivity	Store and Forward
Network Efficiency	Yes	Yes	Yes
Delivery Method	Direct IP, Email, SMS, Iridium CloudConnect	Direct IP	Publications / Subscriptions through cloud based topics
End Point Management	Single End Point	Single End Point, or Open-Ended PPP	Multiple topics to multiple end points managed in the cloud
Iridium Gateway Colo Required	No	No	No



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