The SBD Game Changer

This next-generation Short Burst Data (SBD) Transceiver is 69% smaller, 74% lighter and at much lower cost than the Iridium 9601. It is ideal for tracking, monitoring, and alarms – everywhere.

Iridium **9602**

SBD Transceiver

fluxcon

iridium® Everywhere

A breakthrough in cost and flexibility

Ideal for M2M

The Iridium 9602 is the next-generation SBD Transceiver from Iridium. Designed for integration into complete wireless solutions, it provides the critical global data communications necessary for today's global solutions.

The small size, low-cost and ease of integration make the Iridium 9602 ideal for Machine-to-Machine (M2M) solutions such as automatic vehicle location, asset monitoring, marine and personal tracking applications.

Leverages Iridium SBD Service

The Iridium 9602 is designed to exclusively support Iridium's Short Burst Data Service. Authorized Iridium partners can create high value vertical market solutions using the combination of the Iridium 9602 and SBD Service that include: low latency service, small transceiver, small antenna, and global coverage.

Iridium SBD Service provides:

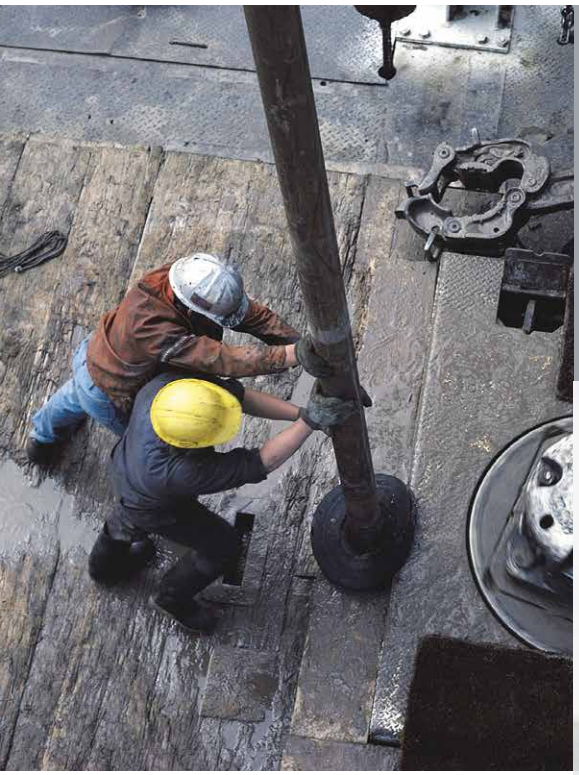
- Mobile Originated messages: up to 340 bytes
- Mobile Terminated messages: up to 270 bytes
- Low, uniform global latency: less than 1 minute

How It Works

The Iridium 9602 is a single-board core transceiver provided as a 'black box,' with all device interfaces provided by a single multi-pin interface connector and antenna connectors. The product only provides the core transceiver. All other end user Field Application functions such as GPS, microprocessor-based logic control, digital and analog inputs, digital and analog input/output, power supply and antenna must be provided by the solution developer.

Key Features

- Very small form factor offers unmatched flexibility
- GPS module antenna feed for shared antenna applications
- RoHs compliant
- Single header connector for:
  - Power
  - On/off control
  - logical level asynchronous Uart Control
  - Network availability
- XXMC connector for small omni-directional L-Band antennas
- Simple AT Command Interface
- Pole-to-pole global coverage



The Iridium 9602 leverages Iridium's low-latency SBD Service and truly global coverage.

The device interface consists of a serial interface, DC power input, network available output and power on/off control line. The Iridium 9602 neither incorporates nor requires a SIM card.

The Iridium 9602 complies with the standards for Radio Emissions Compliance, Electromagnetic Compatibility, and AC Safety in the United States, European Union and Canada, for host systems that provide safe connections to power supply and external antenna or cable distribution system.

Specifications

Mechanical
- Length: 41.0 mm
- Width: 45.0 mm
- Depth: 13.0 mm
- Weight 31.0 g

Environmental
- Operating temperature range: -40 to +85° C
- Operating humidity range: ≤ 75% RH
- Storage temperature range: -40 to + 85° C
- Storage humidity range: ≤ 93% RH

RF Interface
- Frequency range: 1616 to 1626.5 MHz
- Duplexing method: TDD (Time Domain Duplex)
- Input/output impedance: 50Ω
- Multiplexing method: TDMA/FDMA

DC Power Interface
- Idle current (average): 45 mA
- Idle current (peak): 195 mA (provisional value)
- Transmit current (peak): 1.5 A
- Transmit current (average): 190 mA
- Receive current (peak): 195 mA (provisional value)
- Receive current (average): 45 mA
- SBD message transfer (average current): 190 mA
- SBD message transfer (average power): ≤ 1.0 W

your mobile satellite service provider

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Only one communications company connects the entire globe

Iridium commands the world's furthest reaching network, making it the only truly global communications company with solutions that span from pole-to-pole. Iridium voice and data products provide superior communications solutions that allow global companies, government agencies and individuals to stay connected everywhere. With a unique, global ecosystem of partners, Iridium continues to create new, high-value capabilities that are leading the world into a new era of communication.

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02/14