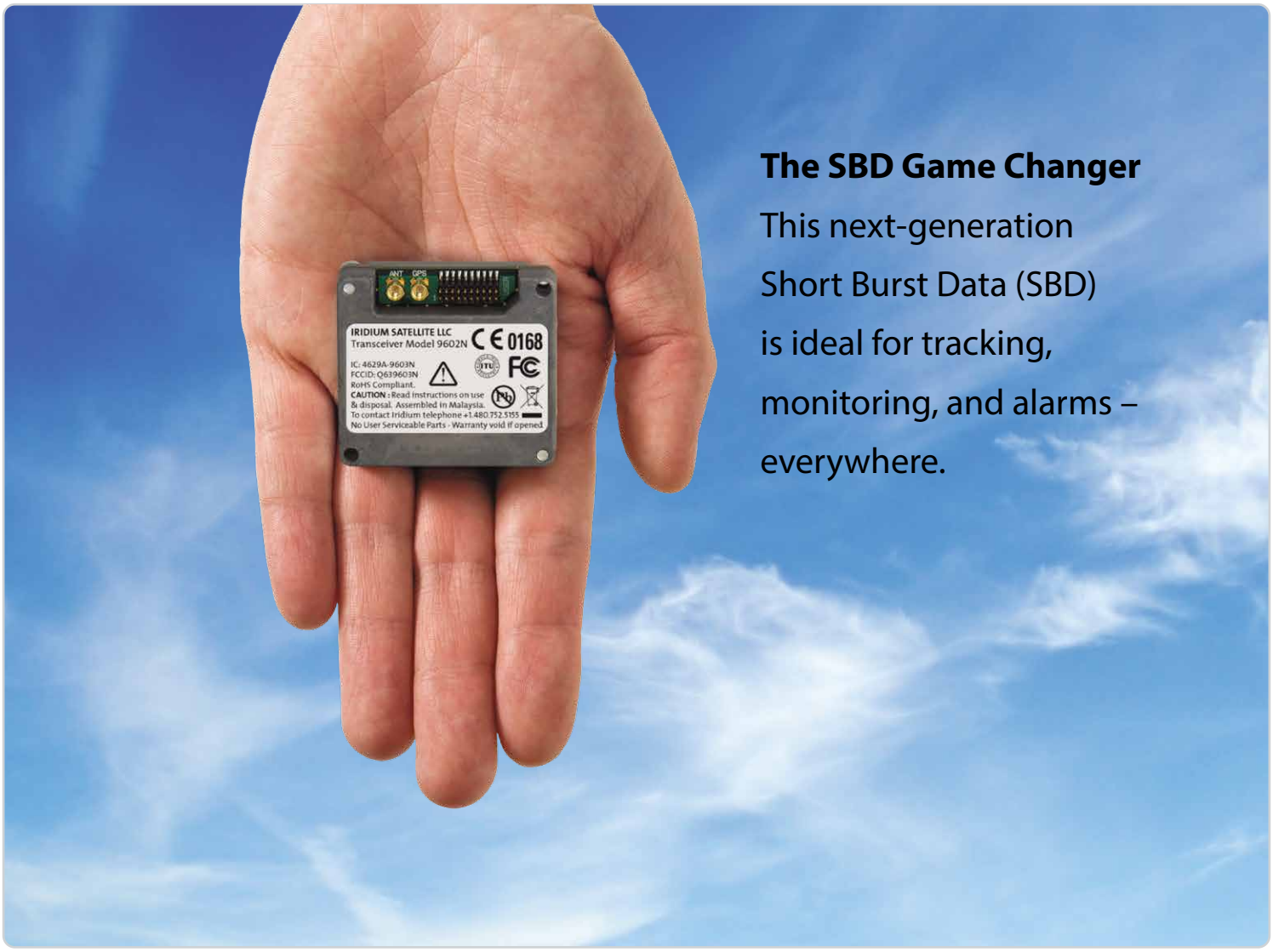


The SBD Game Changer

This next-generation Short Burst Data (SBD) is ideal for tracking, monitoring, and alarms – everywhere.

Iridium **9602**

SBD Transceiver

indigosat.com

iridium® Everywhere

A breakthrough in cost and flexibility

Ideal for M2M

Iridium® 9602 is a 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 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

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 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, end-to-end global latency: less than 1 minute

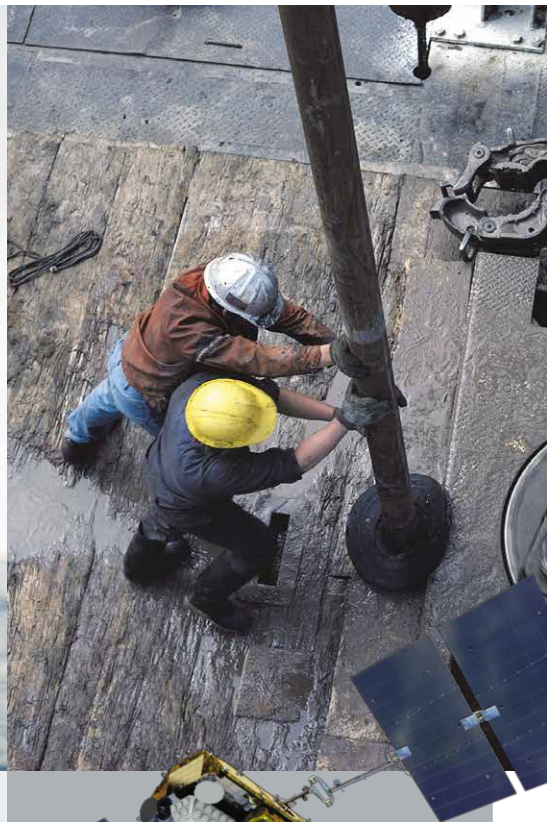
How It Works

A single-board core transceiver, Iridium 9602 provides solution developers with the ability to integrate additional end-user functions such as GPS, microprocessor-based logic control, digital and analog inputs and outputs, power supply and antenna. The Iridium 9602 transceiver does not incorporate or require a SIM card. Its device interface consists of a serial interface, power input, network available output and power on/off control line.

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
- Supports Iridium Burst®

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



Iridium 9602's robust design makes it ideal for solutions in personnel and asset tracking, fleet management, environment and safety monitoring, and remote automation and control. Designed, certified, manufactured and sold by Iridium – and compliant with industry standards in North America and Europe – it can be integrated into a variety of wireless data applications.

Iridium 9602 is uniquely designed to support the Iridium's Short Burst Data service, backed by unmatched network quality and deployed in mission critical applications, everywhere.

Specifications

Mechanical
- Length: 41.0 mm
- Width: 45.0 mm
- Depth: 13.0 mm
- Weight 30.0 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

Power
- Idle current (average): 35 mA
- Idle current (peak): 170 mA (provisional value)
- Transmit current (peak): 1.3 A
- Transmit current (average): 140 mA
- Receive current (peak): 170 mA (provisional value)
- Receive current (average): 40 mA
- SBD message transfer (average current): 150 mA
- SBD message transfer (average power): ≤ 0.8 W

Iridium **9602**

Short Burst Data has a long future

Iridium is forging ahead with its uncompromising vision for the future of global communications. Iridium NEXT, Iridium's ground-breaking next generation satellite constellation, will inspire exciting new innovations while ensuring continued high-level performance and reliability for all existing Iridium-connected solutions. Iridium NEXT's backward compatibility will ensure Iridium 9602 applications continue to unlock new opportunities and push the limits of what's possible — for years to come.