



THE LEADER IN REMOTE ASSET TRACKING



9603

GLOBAL COVERAGE

-IRIDIUM

PHYSICAL SPECIFICATIONS

Size: 31.5 mm x 29.6 mm x 8.1 mm

Weight: 11.4 grams

The compact Iridium 9603 is the world's smallest commercially available two-way satellite data transceiver, designed for applications where space is at a premium and communication is critical.

With the smallest form factor of any commercial satellite transceiver, the Iridium 9603 is ideal for space-constrained applications including monitoring, tracking and alarm systems.

One-fourth the volume and half the footprint of its predecessor, the Iridium 9602, the Iridium 9603 combines the global coverage of the Iridium satellite constellation with the low latency of the Iridium Short Burst Data service to provide highly reliable satellite communications from pole to pole.

A single-board core transceiver, the Iridium 9603 comes in 'black box' format. All device interfaces are provided through a single, multi-pin interface connector and an antenna connector, with additional end-user field application functions.

This powerful little module is an exciting addition to Quake's product line.

Quake Global is a leading manufacturer of industrial controllers and M2M communicators for multiple satellite and terrestrial networks. These products perform advanced process control and optimization and enable customers to monitor their assets across the globe. QUAKE™ is the only maker of network agnostic modems, providing a unified communications protocol across multiple networks from one device for a simplified development process that is second to none. QUAKE prides itself for producing a broad range of palm-sized high performance, highly customizable, fully programmable solutions. Regardless of the mode of operation or network, all QUAKE products are rugged and reliable. For more information go to: www.quakeglobal.com

9603 Marketing Data Sheet

TECHNICAL SPECIFICATIONS

Communications – IRIDIUM

Mobile-originated messages: up to 340 bytes

Mobile-terminated messages: up to 270 bytes

Low, uniform global latency: less than 1 minute

RF Parameters

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

Power

Supply input voltage range:	5.0V +/- .2V DC
Supply input voltage ripple:	<40mV pp
Idle current (average):	45 mA
Idle current (peak):	195 mA
Transmit current (peak):	1.5 A
Transmit current (average):	190 mA
Receive current (peak):	195 mA
Receive current (average):	45 mA
SBD message transfer - average current:	190 mA
SBD message transfer - average power:	<= 1.0 W

Environmental Specifications & Certifications

Operating temperature range:	-30 C to +70 C
Operating humidity range:	≤75% RH
Storage temperature range:	-40 C to +85 C
Storage humidity range:	≤93 % RH

FCC Certified

CE Mark

Industry Canada



9603

ADVANTAGES

Small form factor offering unmatched integration flexibility

- Pole-to-pole global coverage
- Single-board transceiver
- Single header connector for:
 - Power
 - On/off control
 - logical level asynchronous UART control
 - Network availability
- Simple AT command interface
- SIM-less operation
- Automatic notification that mobile-terminated messages are queued

SERVICES AVAILABLE

Technical Support

Hardware Support

Guaranteed Warranty



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