

Iridium 9602N SBD Transceiver

The Iridium 9602N SBD transceiver module combines the global coverage of the Iridium satellite constellation with the low latency of the Iridium Short Burst Data Service (SBD) to provide highly reliable satellite communications globally.

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The 9602N SBD transceiver is designed to incorporate into an integrated satellite communication solution for a specific application or vertical market.

KEY FEATURES

- Compact form factor
- Pole-to-pole global coverage
- Short Burst Data capable
- RS232 interface
- GPS module antenna feed for shared antenna applications
- Simple AT command interface
- Automatic message queue notification
- Single header connector for:
 - Power
 - On/off control
 - Logical level asynchronous Uart Control
 - Network availability
- XXMC connector for small omni-directional L-Band antennas
- Fully certified
- 12 month warranty



APPLICATIONS



Technical Specifications

PHYSICAL

Dimensions	mm	inches
Transceiver	41L x 45W x 13D	1.6L x 1.7W x 0.5D
Weight	kgs	lbs
Transceiver	0.03	0.06

RF CHARACTERISTICS

Parameter	Value
Frequency Range	1616 MHz to 1626.5 MHz
Duplexing Method	TDD (Time Domain Duplex)
Input/Output Impedance	50 Ohms
Multiplexing Method	TDMA/FDMA

ENVIRONMENTAL

Temperature	Degrees °C	Degrees °F
Operating Range	-40° to +85°	-40° to +185°
Storage Range	-40° to +85°	-40° to +185°
Operating Humidity	<75% RH	
Storage Humidity	≤93% RH	

DC POWER INPUT

Typical Power Consumption at +5 VDC	Average	Peak
Idle current	35mA	170mA
Transmit Current	140mA	1.3A
Receive Current	40mA	170mA
Message Transfer	Average Current	Average Power
SBD message transfer	150mA	<=0.8W

Physical Specifications

