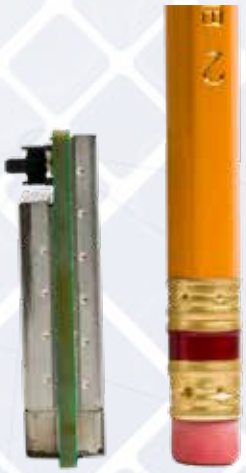
Iridium 9603N SBD Transceiver

The Iridium 9603N Short Burst Data (SBD) transceiver module is Iridium's smallest, lightest and most advanced SBD satellite transceiver that provides global SBD connectivity through the world's furthest reaching network.

Iridium 9603N SBD Transceiver 9603N



The Iridium 9603N SBD Transceiver is ideal for developers who need an extremely compact satellite transceiver to incorporate into an integrated solution for a specific application or vertical market.

KEY FEATURES

- Smallest available form factor
- Pole-to-pole global coverage
- Short Burst Data capable
- GPS module antenna feed for shared antenna applications
- Single header connector for:
  - Power
  - On/off control
  - Logical level asynchronous Uart Control
  - Network availability
- Simple AT command interface
- Automatic message queue notification
- SIM-less operation
- Fully certified
- 12-month warranty

APPLICATIONS


Equipment Monitoring


Vehicle/Vessel Tracking

BEAM®

iridium®

Technical Specifications

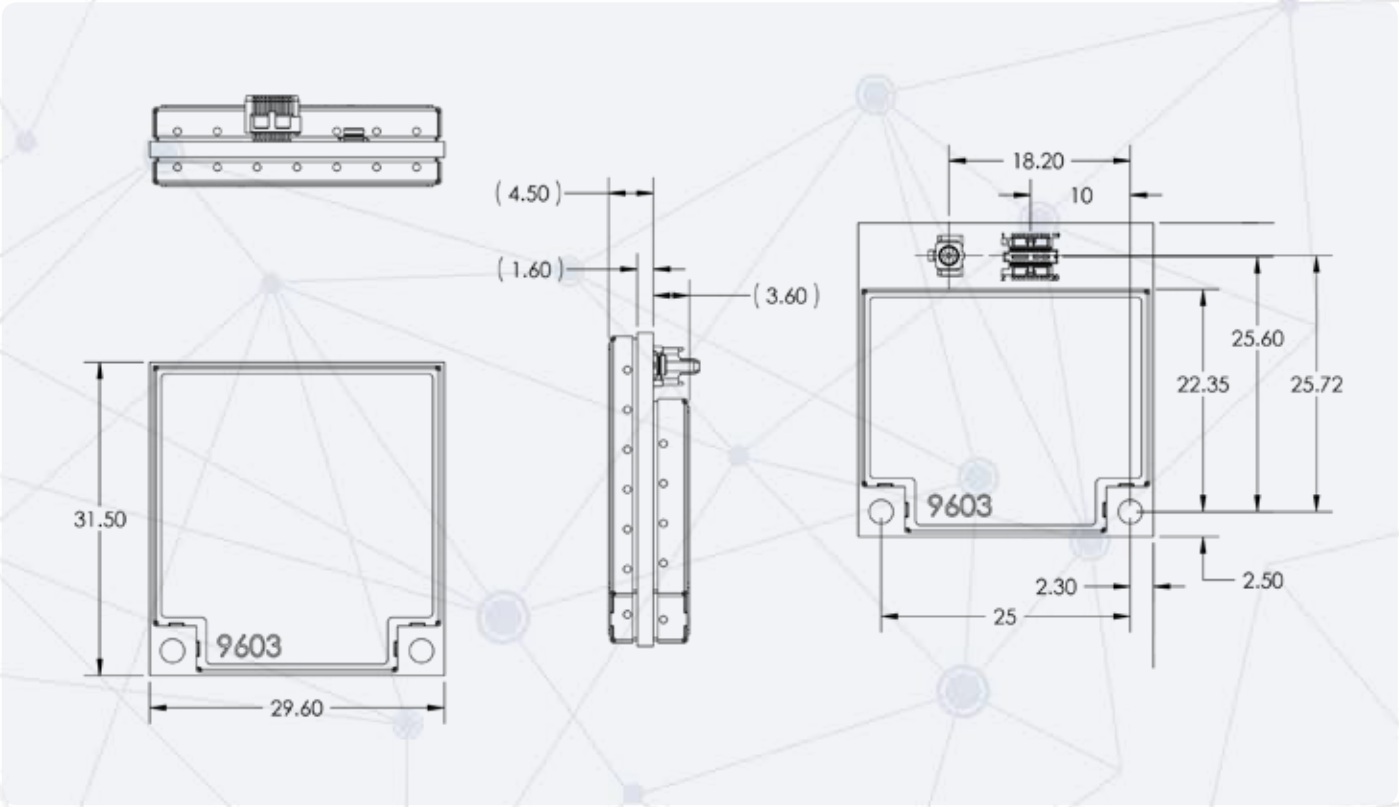
PHYSICAL		
Dimensions	**mm**	**inches**
Length	31.5	1.24
Width	29.6	1.16
Depth	8.10	0.31
Weight	**kgs**	**lbs**
Unit	0.0114	0.025

DC POWER INPUT		
Power consumption at 5.0 VDC	**Peak**	**Average**
Idle Current	156mA	34mA
Transmit Current	1.3A	145mA
Receive Current	156mA	39mA
SBD Message	**Average Current**	**Average Power**
Transfer	158mA	<= 0.8 W

ENVIRONMENTAL		
Temperature	**Degrees °C**	**Degrees °F**
Operating Range	-30° to +85°	-20° to +185°
Storage Temp Range	−40° to +85°	-40° to +185°
Operating Humidity	≤ 75% RH	
Storage Humidity Range	≤ 93% RH	

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

Physical Specifications (mm)



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