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9602 SBD
PowerTray D9

9602 SBD Powertray D9

The 9602 SBD PowerTray is designed to carry the Iridium 9602 SBD satellite transceiver. The board contains everything needed, including on-board voltage regulators, RS232 level shifting and protection circuitry, to easily connect the 9602 transceiver to an RS232 DTE port using a standard RS232 cable.

In addition, the 9602's RF connectors are conveniently converted to SMA female connectors.

Onboard LEDs allow the power status and network availability to be observed at a glance. A toggle switch is provided to control power to the unit. The input voltage can range from 6 to 35VDC, making it suitable for both aircraft and vehicle systems.

D9 Interfaces

Enable / Disable Toggle Switch

This switch is connected directly to the soft ON/OFF pin of the 9602. This is the soft ON/OFF pin and controls power to the terminal. The down position is the ON position.

RS232 Serial Interface

The DB9 serial interface connects directly to a PC's serial port using a straight-through (standard) serial cable. All signals are correctly level shifted between the DTE and the 9602.

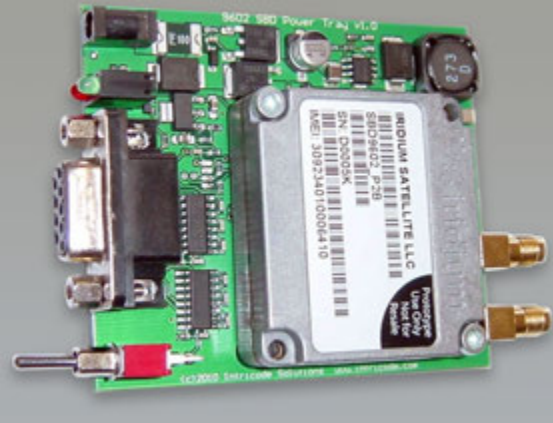
Power Jack

The power jack is a standard 3.5mm (1.3mm inner) barrel connector. Please observe the correct polarity. ⊕ ⊖



Features

- Standard RS232 interface connects directly to a PC
- RF connectors converted to SMA-Type1
- Built-in over-current protection & level conversion
- Compact design: 64 x 75 x 16mm (W x L x H)
- Toggle enable/disable 9602 transceiver
- Status LEDs



Status LEDs

The status LEDs consists of a red and a green LED stack. The red LED indicates that power is available from the regulator. The green LED has the following meanings:

OFF: The SBD terminal is powered off. The ON/OFF switch controls this.

FLASH: The SBD terminal is powered on but the NETWORK_AVAILABLE pin is de-asserted (network not available).

ON: The SBD terminal is powered on and the NETWORK_AVAILABLE pin is asserted (network is available).

Applications

Aviation, Construction, Emergency, Forestry, Tracking, Government, Maritime, Mining, Oil & Gas, Utilities

Operating Temperature

40°C to 85°C



Technical Information

	Min	Nom	Max	Unit
Input Voltage	6	-	35	V
Current consumption (no SBD, LEDs off)	8	9	10	mA
Peak Instantaneous Power Requirement			12	W
Operating Temperature	- 40	-	85	°C
Storage Temperature	- 50	-	100	°C