

Features

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

Applications

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

Description

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.

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. ⊕ → ⊖

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). See SBD datasheet for details.

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

Technical Information

| | Min | Nom | Max | Unit |
|-----------------------------------------|-----|-----|------|------|
| Input Voltage | 6 | - | 35 | V |
| Current consumption (no load, LEDs off) | 8 | 9 | 10 | mA |
| Operating Temperature | -40 | - | +85 | °C |
| Storage Temperature | -50 | - | +100 | °C |

¹ Only the SBD RF connector is available on the 9602PT9S-35E. GPS is not available.



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9602 SBD PowerTray



Dimensions (W x D x H): 66mm x 75mm x 44mm, excluding mounting bracket
Note: 9602 GPS Connector Not Available

Ordering Information

| Part # | V _{in} (min) | V _{in} (max) | Unit |
|--------------|---------------------------------|-----------------------|------|
| 9602PT9S-35 | 6 | 35 | V |
| 9602PT9S-35E | With enclosure + mounting holes | | |

Operating Temperature: -40°C to 85°C

GUARANTEE

Intricode Solutions guarantees this product to be free from defects in materials and workmanship for a period of 24 months from the original date of purchase, verified by a sales receipt. Our guarantee does not cover incorrect application, incorrect installation, reversed voltage, improper voltage, tampering, misuse or shipping. Our guarantee liability shall be limited to replacing the unit free of charge and does not include transport costs. By the act of operating this product, the user accepts all resulting liability. We reserve the right to modify the provisions of this guarantee at any time without notice.