

Features

- Standard RS232 interface connects directly to a PC
- Built-in over-current protection circuitry
- Compact design: 63.7 x 107 x 32mm (W x L x H)
- Toggle switch to enable/disable 9601 modem
- Status LEDs

Applications

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

Description

The Iridium 9601 SBD DB9 Power Tray is a mezzanine power platform for the Iridium 9601 SBD data terminal. It makes all the necessary interfaces available on the front panel to rapidly get the 9601 modem up and running. These include the power jack (barrel connector), RS232 serial interface, enable/disable switch and status LEDs. Certain models include an on-board Switch Mode Power Supply (SMPS) which allows an input voltage up to 50VDC.

Interfaces

Enable/Disable Toggle Switch:

This switch is connected directly to pin 1 of the 9601 terminal. 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 flow control and hand shaking wires are connected directly to the 9601's serial pins.



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 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 on but the NETWORK_AVAILABLE pin (pin 24) is logic low. See SBD datasheet for details.

ON: The SBD terminal is on and the NETWORK_AVAILABLE pin (pin 24) is logic high. See SBD datasheet for details.

Electrical Information

	Min	Nom	Max	Unit
DC-DC Converter Efficiency	65	-	90	%
DC-DC Converter Output	4.9	5	5.1	V
PowerTray Power Consumption	-	-	400	mW
Power Supply Requirements (SBD Attached)	-	2.6	18	W

* Please see 9601 SBD Transceiver specification for more details on power profile.



www.intricode.com

info@intricode.com

Iridium 9601 SBD DB9 Power Tray



9601PT9x-xx



9601PT-ENC-J

Ordering Information

Part #	V _{in(min)}	V _{in(max)}	Unit
9601PT9S-50	6	50	V
9601PT9S-30	6	30	V
9601PT9L-12	7	15	V
9601PT-ENC-F	Enclosure without mounting holes		
9601PT-ENC-J	Enclosure with mounting holes		

Operating Temperature: -15°C to 70°C