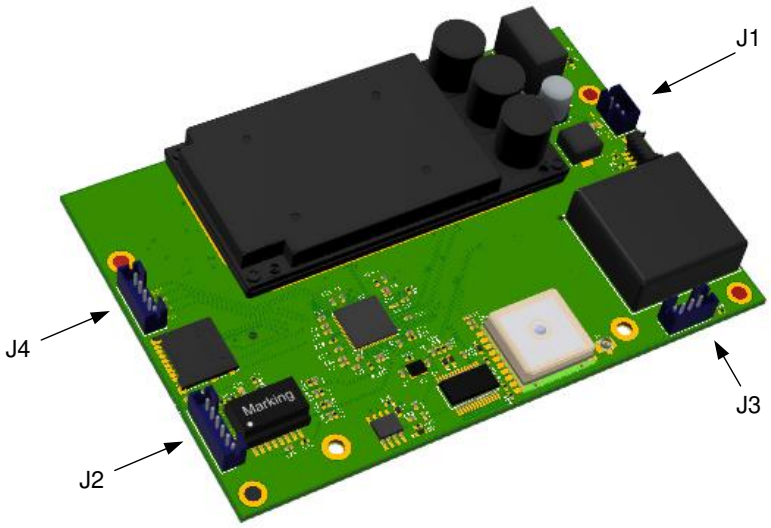
PLANET 9523 OEM TC06 Board
Technical Specifications



Functional Description

PLANET 9523 OEM TC06 is a mobile Iridium satellite connectivity board. It integrates a 9523N Iridium Modem with its SIM card holder. The board is based on an ARM processor and includes an SD card providing up to 512Gb of data storage. A GPS receiver provides autonomous timing and location. The board supports Ethernet, USB and serial interface.

Application

The PLANET 9523 OEM TC06 board is designed for use of Iridium data connectivity in embedded applications. Networking software enables IP connectivity with QoS management on Iridium infrastructure. The PLANET 9523 OEM TC06 board is delivered with PLANET networking software.

Features

- Iridium Certified Product
- Operating Temperature: -25°C to +70°C

Mechanical Characteristics

- Dimensions: 112 x 74 mm
- Weight: 90g

Power requirements

Power supply: 9-36VDC
Average Consumption: 700mA@12V
Peak Consumption:
4.5A@12VDC/6A@9VDC

Order Information

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J1 – Power Connector

Connector: JST, S3B-PH, 3-way
Mating Socket: JST, PHR-3, 3-way

Pin No.	Signal Name	Signal Function
1	GND	Ground
2	0V	Shield
3	V+	9 – 36V

J2 – Ethernet Connector

Connector: JST, S6B-PH, 6-way
Mating Socket: JST, PHR-6, 6-way

Pin No.	Signal Name	Signal Function
1	TX-	Transmit Data -
2	NC	NC
3	TX+	Transmit Data +
4	RX-	Receive Data -
5	NC	NC
6	RX+	Receive Data +

J3 – USB Connector

Connector: JST, S4B-PH, 4-way
Mating Socket: JST, PHR-4, 4-way

Pin No.	Signal Name	Signal Function
1	+5V	+5V (USB)
2	D-	Data – (USB)
3	D+	Data + (USB)
4	GND	Ground (USB)

J4 – Serial Connector

Connector: JST, S5B-PH, 5-way
Mating Socket: JST, PHR-5, 5-way

Pin No.	Signal Name	Signal Function
1	GND	GND
2	TX	Transmit Data Output (TTL)
3	RX	Receive Data Input (TTL)
4	RTS	Request To Send (TTL)
5	CTS	Clear To Send (TTL)