



SATELLIGENT

9603-U DATA SHEET

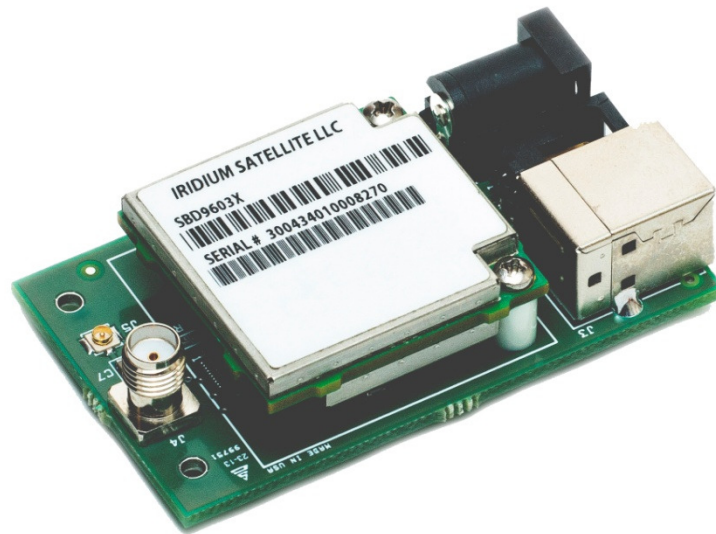


Features

- USB to full handshake UART (9-wire) interface with the Iridium® 9603 transceiver
- No software driver required, Plug-n-Play enabled
- Miniature size, 2.4 x 1.4 inch
- Non USB bus powered implementation
- USB disconnect-detection to enable low power suspend mode
- Two-wire TTL level power control

Description

The 9603-U is a daughter-board for the 9603 Iridium transceiver, allowing seamless communication with a USB enabled data terminal equipment – such as a PC. The 9603-U features a USB to full handshake Universal Asynchronous Receiver/Transmitter (UART) chip. The 9603-U can be powered using a 5V DC source such as a wall adapter. The 9603-U also features a two pin interface that controls power to the 9603 transceiver. This allows TTL control signals to enable or disable power to the 9603 transceiver. The SMA to U.FL pass-through provided on the 9603-U allows the use of off-the-shelf SMA terminated antennas.



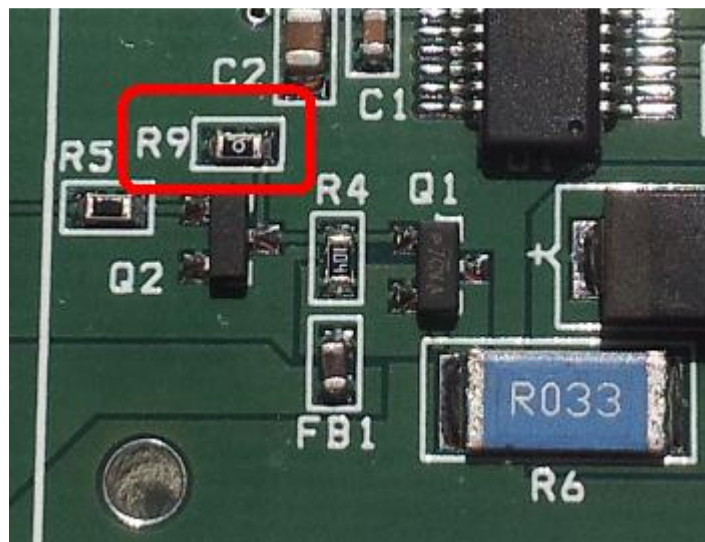


Interfaces

Interface	Description
DC Power Interface	2.5mm ID, 5.5mm OD barrel type.
Data Interface	USB 2.0, type B receptacle.
Power Control Interface	0.1" (2.54 mm) pitch, latching two pin shrouded male header.
RF Interface	SMA to U.FL pass-through.

Power Control Override

The requirement to have a TTL power control signal on the two pin 0.1" connector can be overridden by populating a 0 Ohm jumper (R9) as shown in the below picture.



Operational Ratings

Parameter	Min	Typ	Max	Unit
Operational Voltage	4.8	5	5.2	V
Operational Current	0.045	0.1	2	A
Operational Temperature	-30	-	70	°C
Nominal Current draw from USB port	8			mA
Current draw from USB port in Suspend mode	0.125			mA



Revision History

Version	Date	Comments
1.0	12-Apr-2013	Initial Release.
2.0	20-Sep-2013	Hardware revision for power control bypass.
2.1	15-Aug-2014	Formatting updates.