



MAX9603-ENC

Iridium 9603 based SBD controller with GPS and enclosure

Part #: 100-00220-01

Description

The MAX9603-ENC is a GPS enabled device that allows reliable pole to pole communication using an Iridium 9603N transceiver from Iridium®, the world's smallest commercially available satellite transceiver. Coupling a 9603N to our PCB with a high-performance 32-bit micro-controller and providing a screw mountable aluminum case, the MAX9603-ENC enables control of a 48-channel industry leading GPS, 12-bit analog-to-digital converter, general purpose digital input/output channels, and more. Accessible through a convenient DB15 female connector and with its aluminum case, the MAX9603-ENC can be used in harsh automotive environments thanks to the in-built transient voltage protection. An on-board monitor allows accurate measurement of the input supply voltage allowing adaptive GPS and sensor acquisition as well as data transmission schemes. Designed to be a stand-alone addition to your existing product, the MAX9603-ENC allows for easy addition of Iridium Satellite communications into third party product.

Electrical Specification

Parameter	Specification
Operating Voltage	7-28 VDC
Operating Current	100 µA mA standby / 0.6 A peak @ 12 V

Communication Specification

Parameter	Specification
Transceiver	Iridium 9603N
3.3V serial only. Accepts MAX9603 extended AT commands and Iridium AT commands.	

Mechanical Specification

Parameter	Specification
Dimensions	3 x 1.7 x 1 "
Weight	90 g



Features

- Controller for Iridium® 9603N SBD transceiver
- 48 channel SiRFstarIVTM chipset based GPS
- Serial interface for 3rd party equipment or PC control
- Wide supply voltage range (7– 28 VDC)
- Fused 5V switched power output for external devices
- Two 12 bit Analog to Digital (ADC) inputs
- Two Digital I/O's (configurable as panic input)
- Transient voltage protection
- Ultra-low standby power consumption (< 100 µA)
- OEM and standalone versions available
- Extremely small solution size (2 x 1.4 x 0.75 ")
- Easy integration into OEM products with a convenient DB15 interface
- Application Programming Interface support through extended AT commands
- Screw mountable aluminum enclosure

Applications

- Fleet Management
- Remote Data Telemetry
- Personal and Asset Tracking
- Personal Communications (Email)
- Industrial Monitoring and Control



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