The SCADALink SAT100 is a versatile Satellite Modem / RTU/ Alarm Callout Unit for use in remote monitoring applications. With integrated I/O, the SAT100 can be used as a standalone alarm callout or easily be integrated with any SCADA host. Built-in RS232 and RS485 ports provide remote communications to serially connected devices such as PLC’s, RTU’s, Flow Computers, Data Loggers and Power Meters and provide alarming and scheduled reporting of collected data.

The SAT100 is integrated with the SCADALink SatSCADA Server to provide SCADA data communications, RTU, and alarm callout services. Customer’s SCADA Host can securely communicate to remote SAT110 Terminal via SatSCADA Client / SatSCADA Server using standard “Modbus over TCP” drivers (No VPN’s or special protocols required).

**FEATURES**

- Global Coverage via Inmarsat Network
- No Complicated Antenna Pointing Required
- GUI Software for Local/Remote Configuration
- 1 RS232, 1 RS485 Serial Port
- 4 Onboard Analog Inputs/Digital I/O
- SAT100-IB Interface Board for Easy Termination and Dry Contact Inputs/Relay Outputs
- Modbus Master and Slave Capability
- C1D2 Certification for Hazardous Location
- Integration to SatSCADA Server for SCADA Data Communications, RTU, and Alarm Callout Services

**APPLICATIONS**

- Oil and Gas Production
- Pipeline Monitoring
- Distribution Automation
- Water Systems
- Environmental Monitoring
- Geotechnical Monitoring
- Security
- Tower Light Monitoring

**SYSTEM DIAGRAM**
**SPECIFICATIONS**

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**SAT GUI**

SAT100 GUI is used to configure the SAT100 locally or remotely.

**DIMENSIONS**

10.1 cm (3.98 in)  
12.6 cm (4.96 in)  
12.6 cm (4.96 in)

**ORDERING INFORMATION**

- SAT100: Satellite Modem/RTU/Alarm Callout Terminal
- SAT100-KIT1: Satellite RTU Terminal with Mounting Bracket, 5 Meter Cable to Flying Leads and Termination Junction Box
- SAT100-KIT2: Satellite RTU Terminal with Mounting Bracket and 5 Meter Cable to Flying Leads
- SAT100-BR: Pole-mount Bracket and Accessories
- SAT100-CAB5-CB: Liquid Tite Flex Cable, 10 Pin Socket Connector to Flying Leads (5 Meter)
- SAT1XX-JB: Nema 4X Junction Box, SS Locking Latch, Hinge Cover, Fittings, Termination Board
- SAT-1XX-TB1: Termination Board for Power & IO