

SABRE™ I Remote BGAN for SCADA



The SABRE™ I Remote is a dual purpose BGAN terminal. It can be a user terminal with a MMI interface or used for SCADA applications. It has an enhanced firmware which can provide reliable continuous 24/7 operations and connectivity with the BGAN network.

The SABRE™ Shield provides protection to the SABRE™ I Remote so that it can be installed outdoors for all weather conditions.

FEATURES

Standard BGAN features

- Simultaneous voice SMS & data communications
- Data rate of up to 384 kbps
- Built-in Ethernet and Analog Phone interfaces
- Supports voice, SMS, email, messaging, VPN, FTP, VoIP, FoIP and video media streaming
- Designed for non-technical user
 - Swiveled antenna mount facilitates easy pointing
 - Simple to use menu interface
 - Light weight, robust and reliable
- IP watchdog

Additional SCADA features

- Enhanced firmware for reliable continuous BGAN network connectivity
- Remote PDP activation/deactivation via SMS
- Reboot terminal via SMS
- 24/7 Always-on capability

SABRE™ SHIELD features

- Easy installation with mounting bracket
- Single multi function cable
- Robust industrial grade connector
- IP 66



BGAN for SCADA

The SABRE™ I Remote brings BGAN technology to the field of remote unmanned SCADA applications. It is user controllable via AT commands for customized satellite applications.

Remote SMS Control

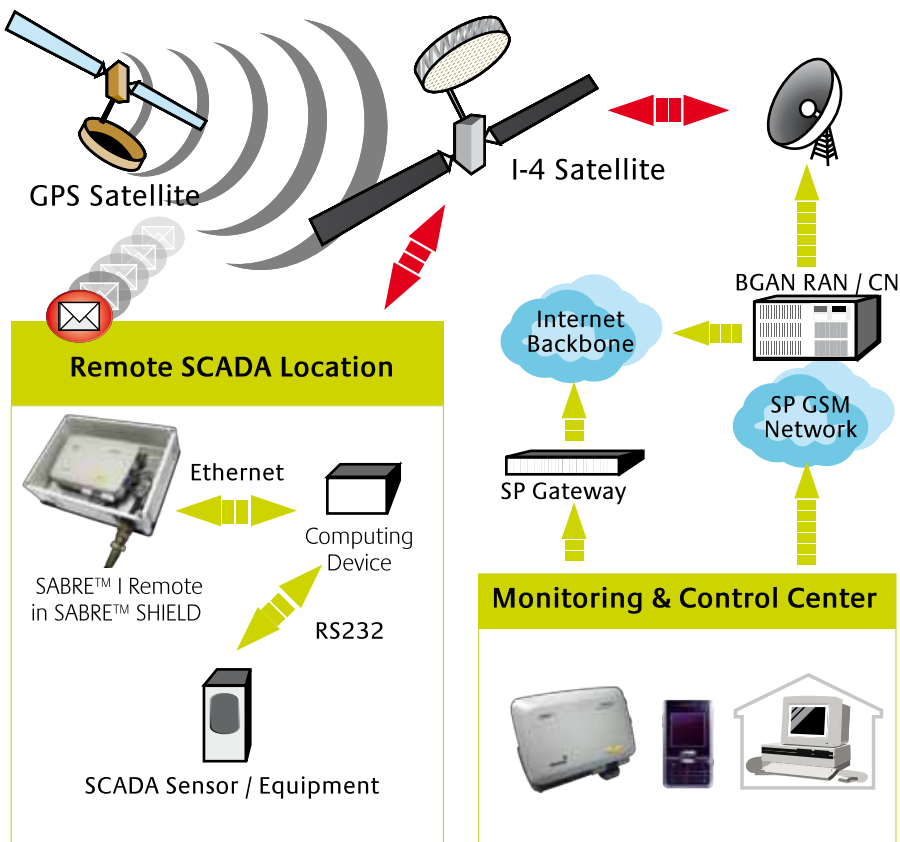
The terminal can be controlled remotely via SMS to activate/deactivate IP data connection or to perform SCADA operations. In instances where users need to reboot the terminal, the user can trigger the reboot by sending a SMS.

Autonomous Machine-to-Machine Operations

This terminal can be used for SCADA applications without any external device. It is designed for long term deployment in remote unmanned location and ease for installation.

All Weather

When used with SABRE™ SHIELD, an IP66 weather-proof box, the SABRE™ I Remote can be installed outdoor in all weather SCADA applications.



wideye™

liberating communications

Technical Specifications

Frequency Band

Receive: 1525MHz - 1559MHz
Transmit: 1626.5MHz - 1660.5MHz

Antenna

Type: Built-in patch antenna

Bearer Data Rate

Receive: 384 kbps (Max)
Transmit: 240 kbps (Max)

GPS Air Interface

Integrated GPS receiver and antenna

Streaming IP

32 kbps, 64 kbps

Ethernet / LAN

1 x RJ45 Ethernet Port

Phone

1 x RJ11 Analog Phone Port

Supports 3GPP AT commands

Operating System Support

Microsoft Windows, WinCE, Mac OS, Linux

Environmental

Operating Temp: -40°C to +70°C (The LCD display will not be functional under -20°C/-4°F)

Charging Temp: -40°F to +158°F
0°C to +45°C
+32°F to +113°F

Operating Humidity: 95%
(non-condensing at 40°C or +104°F)

Storage Temp: -40°C to +80°C

Storage Humidity: 5% to 95% (RH)

Water & Dust: IP54

Battery

Type: Lithium ion
Transmit Time: 1 hour continuous transmission
Receive Time: 3 hour continuous receive without transmit requirement
Standby Time: 12 hours

Electrical

DC Input: 15 VDC (power adapter)
12 ~ 28 VDC (car charger)

Power Consumption

Idle: 4 W
Receive: 6 W
Transmit: 22 W

Power Adapter

Input: 100 ~ 240 VAC, 47 ~ 63 Hz
Output: 15 VDC

Mechanical

Weight: 1.65 Kg / 3.63 lbs
Dimensions: 259 x 195 x 58 mm

Specifications for SABRE™ SHIELD with 10m cable

Environment

Operating Temp: -40°C to +70°C (Shield)
-40°C to +80°C (Cable)

Storage Temp: -40°C to +80°C

Operating humidity: 20% and 90%

Water & Dust: IP66

Mechanical

Dimensions: 380 x 280 x 130 mm with High Impact strength (Shield)

Certificate of Compliance

CE
IP66
RoHS
UV Resistance

Export Control Classification Number

5A002a.1



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