

SABRE™ I Remote BGAN for SCADA



The SABRE™ I Remote is a dual purpose class 3 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, Bluetooth and Analog Phone interfaces
- Supports voice, SMS, email, messaging, VPN, FTP, VoIP, FoIP and video media streaming
- Designed for the non-technical user
 - Swiveled antenna mount facilitates easy pointing
 - Simple to use menu interface
 - Light weight, robust and reliable

Additional SCADA features

- Enhanced firmware for reliable continuous BGAN network connectivity
- Remote PDP activation/deactivation via SMS
- Reboot terminal via SMS

SABRE™ SHIELD features

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



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

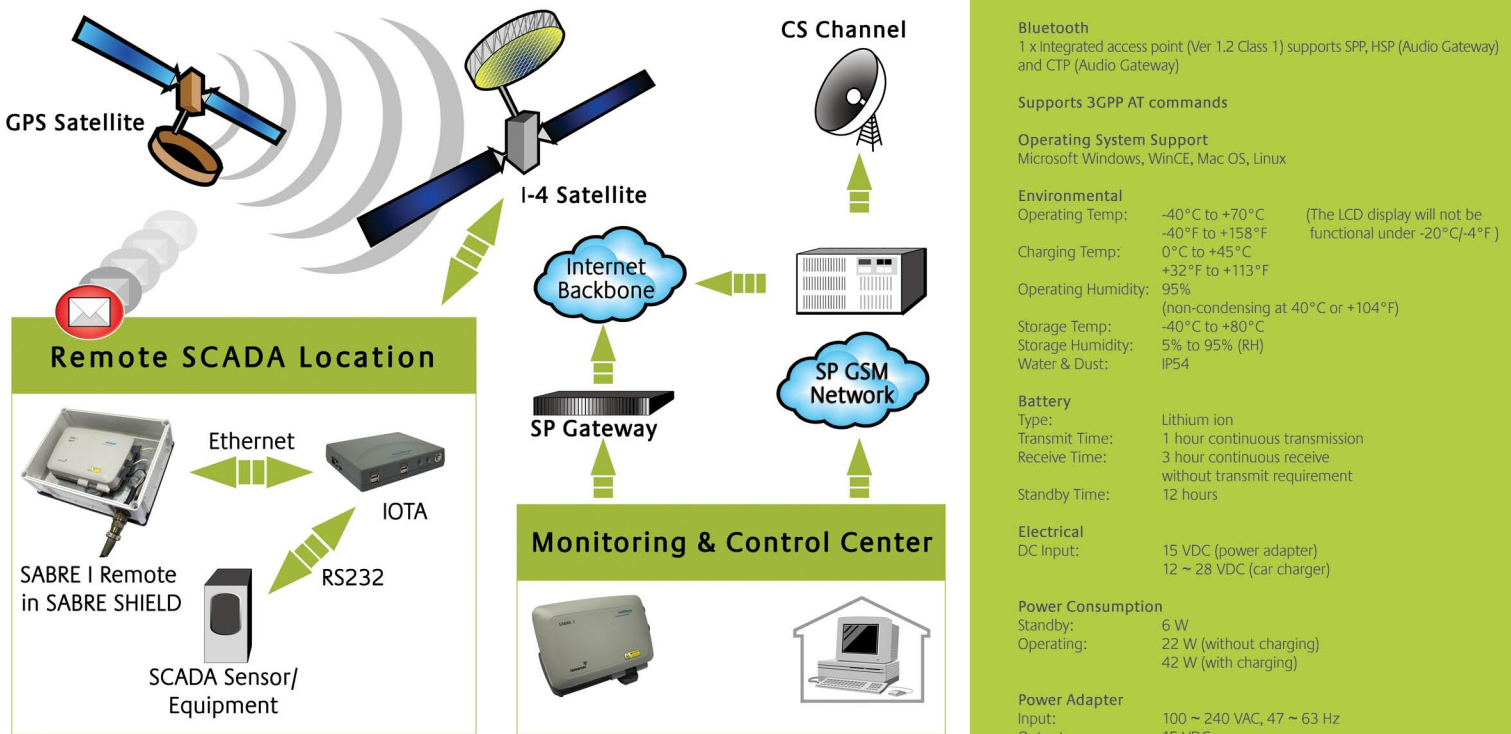
The terminal can be controlled remotely via SMS to activate/deactivate IP data connection or to perform SCADA operations. In instances where users need to reboot the terminal, the user can trigger the reboot by sending a SMS.

Autonomous Machine-to-Machine Operations in conjunction with Addvalue's IOTA

The SABRE™ I Remote can be seamlessly integrated with the IOTA™, an Addvalue's Machine to Machine Application Enabler device. Software applications can be developed on the IOTA embedded ARM-9 processor WinCE platform for customized SCADA solution.

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

Bluetooth
 1 x integrated access point (Ver 1.2 Class 1) supports SPP, HSP (Audio Gateway) and CTP (Audio Gateway)

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)
 -40°F to +158°F
 Charging Temp: 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
 Standby: 6 W
 Operating: 22 W (without charging)
 42 W (with charging)

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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