

SABRE™ RANGER

Ruggedized BGAN for Remote SCADA Applications



The SABRE™ Ranger is a BGAN User Terminal specifically built for permanent outdoor remote unmanned SCADA applications. It has a ruggedized mechanical housing to withstand all weather environmental challenges. Installed with a customised remote sms control firmware, it enables remote SMS command activation. It can also be used in an oil and gas environment.

FEATURES

Standard BGAN features

- Simultaneous voice & data communications
- Data rate of up to 384 kbps
- Built-in Ethernet and Analog Phone interfaces
- Supports voice, email, messaging, VPN, FTP, VoIP, FoIP and video media streaming

SCADA features

- IP 65
- Meet NEMA 4X Corrosion Resistance Requirements
- Enhanced Vibration and Shock Resistance
- Remote SMS IP activation
- Remote SMS command and control



BGAN for SCADA

The SABRE™ Ranger 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 connection or to perform a SCADA operation.

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

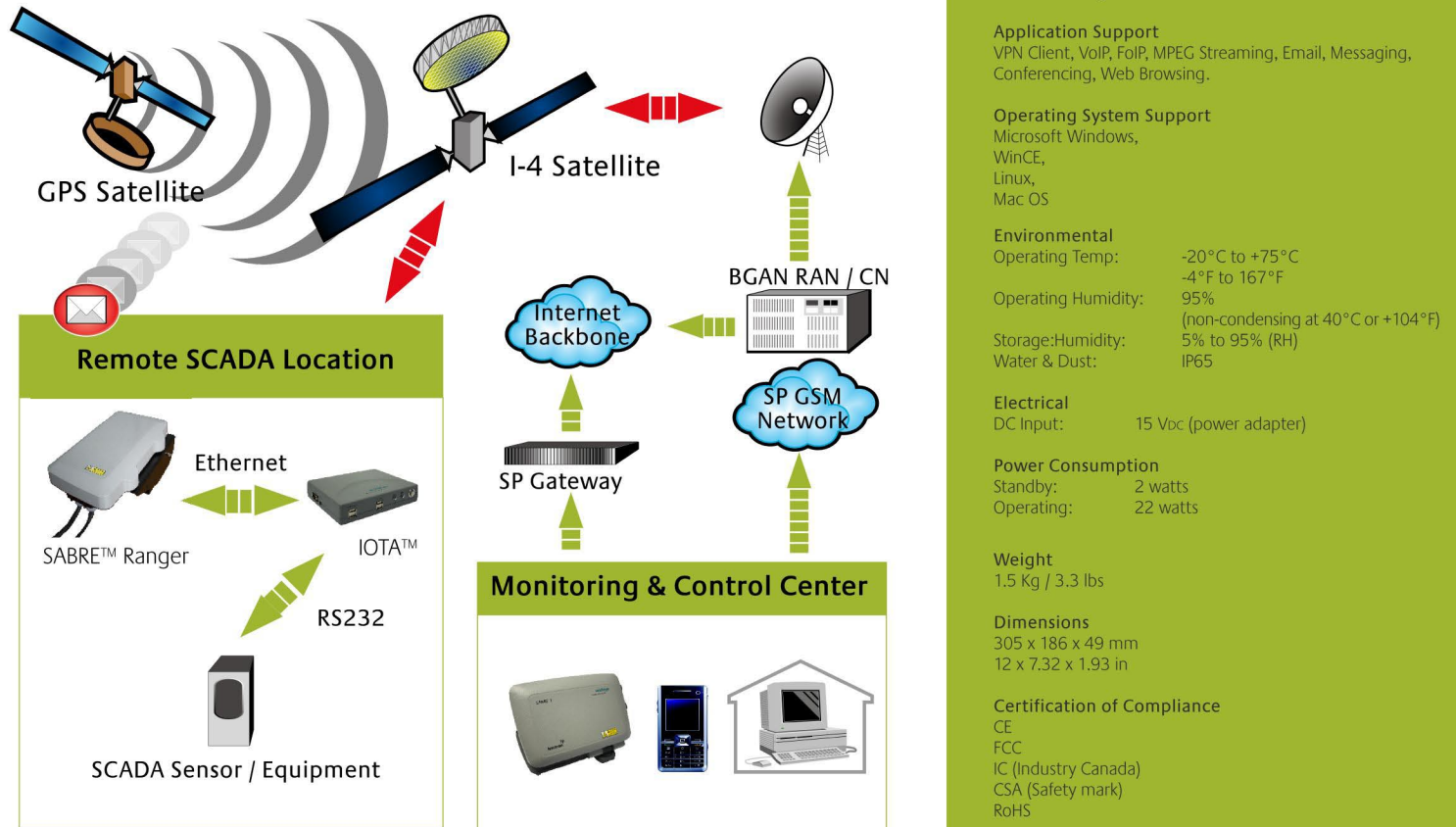
The SABRE™ I Ranger can be seamlessly integrated with the IOTA™, an Addvalue's Machine to Machine Application Enabler device. Software applications can be developed on the IOTA embedded ARM-9 processor platform for customized SCADA solution.

Low Power

The SABRE™ Ranger has a power savings mode which is advantageous for remote unmanned SCADA applications.

All Weather

With an IP65 ratings, the SABRE™ Ranger is designed for use in all outdoor weather conditions. The SABRE™ Ranger can be deployed in the oil and gas environment for SCADA applications.



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

Application Support

VPN Client, VoIP, FoIP, MPEG Streaming, Email, Messaging, Conferencing, Web Browsing.

Operating System Support

Microsoft Windows,
WinCE,
Linux,
Mac OS

Environmental

Operating Temp: -20°C to +75°C
-4°F to 167°F
Operating Humidity: 95%
(non-condensing at 40°C or +104°F)
Storage Humidity: 5% to 95% (RH)
Water & Dust: IP65

Electrical

DC Input: 15 Vdc (power adapter)

Power Consumption

Standby: 2 watts
Operating: 22 watts

Weight

1.5 Kg / 3.3 lbs

Dimensions

305 x 186 x 49 mm
12 x 7.32 x 1.93 in

Certification of Compliance

CE
FCC
IC (Industry Canada)
CSA (Safety mark)
RoHS



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