





The SAFARI™ is a Land Vehicular BGAN Terminal operating on the Inmarsat BGAN Satellite Network.

The SAFARITM has one of the smallest Land Vehicular BGAN antennas in the market at 252 mm Dia x 119.12 mm H (9.9 in. Dia x 4.7 in. H) and weighs only 1.9kg (4.2 lbs.). The complete system consists of three fully integrated units – an IP44 rated Transceiver Unit (TU) with built-in Wi-Fi, an IP66 rated Handset and an IP56 rated roof mounted Antenna Unit (AU). The Antenna Unit is compact and lightweight, ideal for vehicles on-the-move. It has been designed for the most demanding environments – and is easy to carry when traveling to various locations around the world.

The SAFARI™ Land Vehicular BGAN Terminal offers the user standard voice (4kbps AMBE+2), optional 3.1 KHz high quality voice/fax, high speed Streaming and Standard IP data service for various applications, including internet browsing, email and file transfer functions.

The terminal allows simultaneous use of all services including voice/fax, data and SMS. Physical interfaces include, 2 x RJ-11 for Voice and Fax, 2 x RJ45 for Ethernet LAN connections, a RS232 port for GPS output and 4 x GPlOs, for external control or indications.

SPECIAL FEATURES

- Forced Dialing
- Restricted Dialing
- Call Prioritisation
- Remote Access
- Backup/Restore of Configuration Settings
- Remote Transmitter Off via GPIO
- SIM Lock based on IMSI/DP Code/SP Code/APN
- Multilingual WebConsole (English, Spanish, Chinese (Simplified & Traditional))

- Multi-User access with configurable access rights
- Time/Volume limited data sessions
- Firewall
- Fleet Tracking Capability Geofencing, up to 10 polygon areas can be configured
- MAC Filtering
- Port Forwarding
- Hands Free Operation

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The antenna has built-in magnetic roof mounts. Simply place the Antenna Unit on the roof of the vehicle, connect it to the Transceiver Unit and connect the SAFARI™ to the vehicle's power source. The vehicle is now a mobile communications hub, which multiple users can access at the same time via the wired interfaces and the standard built-in Wi-Fi feature. The SAFARI™ is so versatile that the Built-in Web-Console of the unit can be accessed via any web browser including Wi-Fi-enabled Smartphones such as BlackBerrys, iPhones, iPads, and PDAs via the SAFARI™'s secure Wi-Fi connections.

The SAFARITM also has a continuous GPS output feature which allows for GPS data to be sent out via the RS232 port in standard NMEA 0183 format. With in-built GPS module, SAFARI™ is able to provide tracking and monitoring required in fleet management applications.

enabled

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Technical Specifications

Type Approval Certificate: Certification mark: FCC, CE, Industry Canada GMPCS MoU – ITU REGISTRY Wi-Fi compliant IEEE802.11b/q

Operating Frequency : 1626.5MHz - 1660.5MHz

Transceiver Unit to Antenna Unit RF Cabling max loss 12dB at 1.6GHz and 4 Ohms DC loop resistance

Services
Voice : 4kbps AMBE+2
Streaming IP : 32, 64 or 128kbps (send & receive)
Short Message Service(SMS): Up to 160 characters (3G standard)
Larger SMS content (> 160 characters): supported as multipart or segmented SMS

Background IP Data : Up to 448/464kbps (send & receive)

Router Functions

Single User Router Mode (Modem mode) : NAT disabled, with option to enable/disable DHCP : NAT enabled, with option to enable/disable DHCP Multi-User Router Mode

2 x RJ-45 Ethernet ports (one is Power over Ethernet (PoE) port) 1 x Primary Handset connector

1 x GPS output connector (NMEA-0183, Offset latch RJ11)
WLAN 802.11b/g built-in

1 x Antenna Connector: - Transceiver Unit: TNC female

- Antenna Unit : TNC female 2 x Standard phone port (RJ11) for FAX and phone 1 x SIM Card Slot

1 x 3M Card 3lot 3 x Status indicator LED 1 x Power On/Off switch 1 x DC Power Input socket 1 x Ground stud connector

1 x GPIO signal port connector - 1 x Transmitter On/Off

1 x Ignition On/Off 1 x Buzzer

1 x Illuminate Remote On/Off

1 x Safe Mode switch

1 x Circuit breaker reset switch

Power Supply

: +12V / 24V (+10.8V to 32V) : 60Watts DC input Power (Max)

Physical Data

: Transceiver Unit

: 340 x 253 x 61.5 mm 13.4 x 10.0 x 2.4 in : 252 mm (Dia) x 119.12 mm : Antenna Unit

9.9 in (Dia) x 4.7 in (H) : 3.5Kg / 7.7 lbs : 1.9Kg / 4.2 lbs

Weight

· Antenna Unit

Environmental Conditions

Transceiver Unit Operating Temperature Storage Temperature : -25°C to +55°C : -40°C to +80°C

: 95% non-condensing at +40°C : IP44

Ingress protection

Antenna Unit

Operating Temperature Storage Temperature

: -25°C to +55°C : -40°C to +80°C : 95% non-condensing at +40°C

Ingress protection : IP5
Turning Rate : 60 deg/ second

: 50 deg/ second2

Primary Handset

: 2 inches, 65K color, 220 x 176 pixel, 2" TFT Liquid Crystal Display : 142 x 56 x 22 mm

Dimension

5.6 x 2.2 x 0.9 in : 390g / 0.8 lbs

Operational Temperature :-20°C to +55°C
Storage Temperature :-30°C to +70°C

Ingress protection

Feature Highlights of Primary Handset

Configuration settingBasic circuit switched telephone functions

Phone book retrieval from the SIM card Call Log for most recent 5 missed, received and dialed calls

with date and time stamps Short Message Services (SMS) User friendly Menu driven graphical user interface Hands free Headset