

# Explorer 710 BGAN Terminal

**BGAN**



As the world's smallest and lightest Class 1 BGAN terminal and the first platform to make use of new HDR(high data rate) streaming as standard, the EXPLORER 710 is positioned to support broadcasters in enhancing the quality of mobile outside broadcasting. EXPLORER 710 provides streaming rates over 650 kbps out of the box when using new high data rate streaming. With EXPLORER 710, you can leverage the fastest on-demand video streaming via satellite with guaranteed QoS to enhance the quality of live broadcasts and remote communication.

## Key benefits

Ability to bond the signals from two 710 terminals using only an Ethernet cable.

BGAN Bonding can achieve IP streaming rates of 1 Mbps or even higher using no boxes, no complex routing , just an Ethernet cable and a Linux program running back home.

Combined with BGAN HDR, it becomes a compact, reliable and extremely portable solution fo the high-speed transmission of live video, audio and data from practically anywhere in the world.

Explorer 710 also introduce Smart Phone apps to the world of BGAN connectivity, enabling users to connect their own portable devices for voice calling and connectivity.

Double the speed with plug and play bonding –simply connect two EXPLORER 710 terminals.

Terminal is capable of Internet, Email, Phone, VoIP, FoIP (Fax), SMS Text, Video Streaming.

A low-end VSAT capability in a portable BGAN form.

## Features

- Streaming speeds of 650 Kbps. The Fastest BGAN streaming speed available
- Standard (shared) Internet speeds of 492 Kbps
- Portable. Will fit inside a large laptop case
- Wi-Fi hotspot (up to 328ft of 100 meters)
- SIM Lock based on IMSI/DP Code/SP Code/APN
- Support for BGAN bonding
- Built-in SIP server
- Embedded webserver
- Advanced Router with admin control
- Remote Activation and Remote Management
- Solar Panel powering



## The Explorer 710 cont...

### Physical Characteristics

#### Specifications

##### Dimensions

Total HxWxD: 332 x 279 x 54 mm, 13.07 x 10.98 x 2.13 inches

Weight 3.2 kg / 7 lbs (incl. battery)

Antenna: 1.7 kg (tbc)

Transceiver: 1.5 kg (tbc)

##### Global Services

Voice: 4 kbps AMBE+2

Premium voice: 3.1 kHz audio, 64 kbps Standard IP:

Up to 492 kbps

Streaming IP: 32, 64, 128 kbps (256 kbps & BGAN X-Stream - tbc)

High Data Rate Streaming: + 650 kbps+ 325 kbps (Half-channel HDR)

ISDN: UDI 64 kbps / RDI 56 kbps

SMS: Supported

##### User Interface

PMOLED Display

Audio and LCD pointing aids

LED indicator

Compass

Languages: UK, FR, DE, ES, RU and CN

##### Other Features

Support for BGAN bonding

Built-in SIP server

Embedded webserver

Advanced Router with admin control

Wireless Access Point

Remote Activation and Remote Management

Battery hot-swap and Intelligent Power Management

Solar Panel powering

### Data Capabilities

#### General

User Interface:

1 x Analogue RJ-11 phone/fax interfaces

2 x LAN interface

1 x USB host interface

1 x ISDN interface

1 x Transceiver/Antenna interface

1 x BGAN SIM-Card slots

WLAN Access Point

#### Environmental Conditions

Temperature

Operational (ambient): -25°C to +55°C / -13°F to +131°F

Storage (excl. battery): -40°C to +80°C / -40°F to +176°F

Water and Dust

Transceiver: IP52/Antenna: IP66

#### Power

DC input range: 10-32VDC

Power consumption: Intelligent Power Management 65W

(max.)

AC/DC power supply

Input: 100-240VAC, 47-63Hz, 65W

Output: 19VDC

Connector type: 2.5 / 5.5 mm power jack

Battery: Lithium ion, rechargeable

Stand-by time: 36h, 25°C / 77°F

Transmit time, max.: 2h30m @ 144 kbps (25°C / 77°F)

1h30m @ 492 kbps

Receive time, max.: 3h30m @ 492 k

410 Central Avenue

Butner, NC 27509

[www.satstar.com](http://www.satstar.com)

Phone: 919-575-4600

Fax: 919-575-4633



Preferred Communications