

## EXPLORER™ 500

PERFORMANCE AND PORTABILITY COMBINED



**EXPLORER 500 is the perfect choice, when working off the beaten track, but still dependant on a reliable connection. Whether travelling alone or in smaller teams this terminal meets the need for mobile access to office resources, providing access to phone networks and internet simultaneously.**

**Though smaller than a standard laptop, this satellite terminal supports your need for performance and is easy to set-up and to operate.**

- **The most used terminal** in the world of BGAN. Unmatched in deployed quantities, the EXPLORER 500 is the preferred choice to support various applications
- **Powerful:** The ideal combination of performance and portability. Provides simultaneous high quality voice and broadband access at speeds up to 464 kbps. It supports LAN, USB, Bluetooth and phone/fax interfaces
- **Lightweight:** Weighing only 1.4 kg and smaller than a standard laptop. Making it easy to carry along when travelling the world

## Specifications

## Dimensions

H:	218mm/8.6inches
W:	217mm/8.5inches
D:	52mm/2.1inches

**Weight (incl. battery)** 1.4kg/3.1lbs

## Data capabilities

Standard IP	
Receive:	464kbps
Transmit:	448kbps
Streaming IP:	32, 64, 128kbps

## Voice capabilities

Standard voice:	4 kbps
Premium voice:	3.1 kHz audio, 64 kbps

## Text capabilities

SMS 160 characters

## Inmarsat frequencies

Receive:	1525.0 – 1559.0MHz
Transmit:	1626.5 – 1660.5MHz

**GPS** 1575.42MHz

**EIRP** 15.1dBW →1dB

## Environmental Conditions

## Battery storage temperature

1 month:	-20°C to +60°C / -4°F to +140°F ambient
3 months:	-20°C to +45°C / -4°F to +113°F ambient
1 year:	-20°C to +20°C / -4°F to +68°F ambient

**Operating temperature** -25°C to +55°C / -13°F to +131°F

**Relative humidity** 95% non-condensing at +40°C/+104°F

## Robustness

0.5 m/1.64 ft drop on concrete (operational, 95% survival)

**Storage temperature** -40°C to +80°C (ex. battery)

-40°F to +176°F (ex. battery)

**Water and dust** IP-54 (dust and spray proof in all directions)

## Interfaces

## 1xAnalogue phone/fax interface

Connector type: RJ-11

## 1xBluetooth interface

Version:	1.2
Antenna:	Integrated in transceiver unit
Frequencies:	2400.0 – 2483.5MHz
Max. coverage outdoor:	100m/328ft
Max. devices connected:	7 handsets, 1 PC, etc.
Profiles supported:	Cordless handset; serial port; service discovery application; dial-up networking; LAN access
Standard:	Power Class 1

## 1xLAN interface

Connector type:	RJ-45, MDI-X
Data rate:	10/100Mbps
Max. cable length:	100m/328ft (Cat5 UTP)
Standard:	ISO/IEC 8877:1992. and IEEE 802.3 (1998 edition)

## 1xUSB interface

Version:	1.1 (slave)
Connector type:	Mini B plug
Max. data rate:	12Mbps
Max. cable length:	5m/16.4ft

## Power

**DC input range** 10-16VDC

## Power consumption

Standby mode: 0.8W (typical)

Transmit mode: 14W (typical)

During charging: 38W (max.)

**Connector type** 2.5mm EIAJ RC-5320-IV

## AC/DC power supply

Input: 100-240VAC, 47-63Hz, 50W

Output: 15VDC

**Battery** Lithium ion (rechargeable)

Stand-by time 36h, 0°C to +55°C/+32°F to +131°F

Standard call: 3h, 0°C to +55°C/+32°F to +131°F

Premium voice call: 1h30m, 0°C to +55°C/+32°F to +131°F

Receive time, max.: 3h30m @ 128kbps, 0°C to +55°C/+32°F to +131°F

Transceive time, max.: 2h15m @ 128kbps, 0°C to +55°C/+32°F to +131°F

Min. number of charges: 300

Recharge time: <3h

Charge temperature: 0°C to +45°C/+32°F to +113°F

## Built-in Bluetooth

**handset charger** 6.2VDC, 350mA

## General

**LCD display** Graphical high resolution

Back lit

**User interface** Four navigation keys and power button

Audio and LCD pointing aids

LED indicators

Thrane & Thrane web interface

BGAN LaunchPad

**Languages** UK, FR, DE, ES, RU and CN (CN end 2009)

**Approvals** CE, FCC, GMPCS

Inmarsat Class 2 Type Approval

## Features

Phonebook; Fax; Message indicator; Restricted dialing; Traffic logging; Admin control (password protected); Webserver; Router or direct mode; Network Management; DHCP; SIP server (end 2009); Up to 11 x PDP context; Point-to-point Protocol over Ethernet (PPPoE)

## Package

EXPLORER 500 incl. lithium ion battery (rechargeable)

LAN cable

USB cable

100-240VAC power supply

Getting Started kit

## Accessories

Car charger cable

Desktop charger cradle for Bluetooth handset with power supply

EXPLORER Bluetooth handset with charger cable

EXPLORER 2-wire handset

Lithium ion battery (rechargeable)

Pole mount kit for EXPLORER 500

100-240VAC power supply

Soft bag