

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

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

Weight (incl. battery) 1.4kg / 3.1lbs

Data capabilities

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

Voice capabilities

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

Text capabilities

SMS 160 characters

Inmarsat frequencies

Receive (Rx): 1525.0 - 1559.0 MHz
Transmit (Tx): 1626.5 - 1660.5 MHz

GPS 1575.42 MHz
EIRP 15.1dBW ±1dB

Environmental Conditions

Temperature

Operational (ambient): -25°C to +55°C / -13°F to +131°F
Storage: -40°C to +80°C / -40°F to +176°F (ex. battery)

Battery storage

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

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

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

Water and dust: IP54 (dust and spray proof in all directions)

Interfaces

1 x Analogue phone/fax interface

Connector type: RJ-11

1 x Bluetooth 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
Power Class 1

Standard:

1 x LAN interface

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

1 x USB interface

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

1 x BGAN SIM-Card slot

Power

DC input range: 10-16VDC

Power consumption

Standby mode: 0.8W (typical)
Transmit mode: 14W (typical)
During charging: 38W (max.)

AC/DC power supply

Input: 100-240VAC, 47-63Hz, 50W
Output: 15VDC
Connector type: 2.5mm EIAJ RC-5320-IV

Battery

Type: 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
Transmit time, max.: 2h15m @ 128 kbps, 0°C to +55°C / +32°F to +131°F
Receive time, max.: 3h30m @ 128 kbps, 0°C to +55°C / +32°F to +131°F
Min. number of charges: 300
Recharge time: Less than 3 hours
Charge temperature: 0°C to +45°C / +32°F to +113°F

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
Languages UK, FR, DE, ES, RU and CN
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, Remote Management, Up to 11 x PDP context, Point-to-point Protocol over Ethernet (PPPoE)

Package

EXPLORER 500 terminal incl. rechargeable lithium ion battery
LAN cable & USB cable
100-240VAC power supply
Getting started kit - Quick start guide, CD with manuals

Accessories

Car charger cable
EXPLORER 2-wire handset
Lithium ion battery (rechargeable)
Pole mount kit
100-240VAC power supply
Soft bag

Product Number

403710A EXPLORER 500 Terminal