EXPLORER 500

Portable Inmarsat BGAN terminal

2013 Data Sheet

The most important thing we build is trust

COBHAM

EXPLORER 500

Portable Inmarsat BGAN terminal

COBHAM

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 BGAN terminal

Unmatched in deployed quantities in the world today, 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 thana 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:	Up to 464 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: 1525.0 – 1559.0 MHz (Rx)
1626.5 – 1660.5 MHz (Tx)

EIRP: 15.1 dBW ±1dB

LCD display:	Graphical high resolution, back lit
User interface:	Four navigation keys and powerbutton 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

Interfaces

1 x Analogue RJ-11 phone / fax interface

1 x Bluetooth interface (Version 1.2)

Antenna:	Integrated in transceiver unit
Frequencies:	2400.0 – 2483.5 MHz
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

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:	12 Mbps
Max. cable length:	5m / 16.4ft

1 x BGAN SIM-Card slot

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

Battery storage temperature

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

Power

DC input range: 10-16VDC

Power consumption

Standby / transmit:	0.8W / 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/+32˚F to 55˚C/+131˚
Standard call:	3h, 0˚C/+32˚F to 55˚C/+131˚
Premium voice call:	1h30m, 0˚C/+32˚F to +55˚C/+131˚F
Receive time, max.:	3h30m @ 128kbps, (25˚C / 77˚F)
Transmit time, max.:	2h15m @ 128kbps,
Min. number of charges:	300
Recharge time:	Less than 3 hours
Charge temperature:	0˚C / +32˚F to +45˚C /+113˚

Other features

Phonebook; Fax; Message indicator; 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 and 100-240VAC power supply Getting started kit - Quick start guide, CD with manuals.

Product number

403710A-00700	EXPLORER 500 Terminal

For further information please contact:

Cobham SATCOM
Lundtoftegaardsvej 93 D
DK-2800 Kgs. Lyngby
Denmark
www.cobham.com
Tel: +45 3955 8800
Fax: +45 3955 8888

inmarsat