

EXPLORER 500

Portable Inmarsat BGAN terminal

COBHAM

2013 Data Sheet

The most important thing we build is trust



EXPLORER 500

Portable Inmarsat BGAN terminal

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.

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

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:

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