EXPLORER 500
Portable Inmarsat BGAN terminal

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.

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**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 than a standard laptop. Making it easy to carry along when travelling the world.

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**Interfaces**

<table>
<thead>
<tr>
<th>1 x Analogue RJ-11 phone / fax interface</th>
<th>1 x Bluetooth interface (Version 1.2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Antenna: Integrated in transceiver unit</td>
<td>Frequencies: 2400.0 – 2483.5 MHz</td>
</tr>
<tr>
<td>Max. coverage outdoor: 100m / 328ft</td>
<td>Max. devices connected: 7 handsets, 1 PC, etc.</td>
</tr>
<tr>
<td>Profiles supported: Cordless handset, serial port, service discovery application, dial-up networking, LAN access</td>
<td></td>
</tr>
</tbody>
</table>

**Standard**
Power Class 1

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**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

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**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)

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**Specifications**

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Total H / W / D: 218 / 217 / 52 mm</th>
<th>8.6 / 8.5 / 2.1 inches</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight (incl. battery)</td>
<td>1.4kg / 3.1lbs</td>
<td></td>
</tr>
<tr>
<td>Data capabilities</td>
<td>Standard IP: Up to 464 kbps</td>
<td></td>
</tr>
<tr>
<td>Voice capabilities</td>
<td>Standard voice: 4 kbps</td>
<td></td>
</tr>
<tr>
<td>Text capabilities</td>
<td>SMS: 160 characters</td>
<td></td>
</tr>
<tr>
<td>Inmarsat frequencies</td>
<td>1525.0 – 1559.0 MHz (Rx)</td>
<td></td>
</tr>
<tr>
<td>1626.5 – 1660.5 MHz (Tx)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EIRP</td>
<td>15.1 dBW ±1dB</td>
<td></td>
</tr>
<tr>
<td>LCD display</td>
<td>Graphical high resolution, back lit</td>
<td></td>
</tr>
<tr>
<td>User interface</td>
<td>Four navigation keys and powerbutton</td>
<td></td>
</tr>
<tr>
<td>Audio and LCD pointing aids, LED indicators, Thrane &amp; Thrane web interface</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Languages</td>
<td>UK, FR, DE, ES, RU and CN</td>
<td></td>
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<tr>
<td>Approvals</td>
<td>CE, FCC, GMPCS</td>
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<tr>
<td>Inmarsat Class 2 Type Approval</td>
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</tbody>
</table>

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**Power**

- **Input:** 100-240VAC, 47-63Hz, 50W
- **Output:** 15VDC

**Battery**
- Lithium ion (rechargeable)
- Stand-by time:
  - 36h, 0°C to +131°F
- Standard call:
  - 3h, 0°C to +131°F
- Premium voice call:
  - 1h30m, 0°C to +131°F
- Receive time, max.:
  - 3h30m @ 128kbps
- Transmit time, max.:
  - 2h15m @ 128kbps
- Min. number of charges:
  - 300
- Max. recharge time:
  - Less than 3 hours
- Max. charge temperature:
  - 0°C / +32°F to +113°F

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**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).

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**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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