



EXPLORER® 500

Terminal specification

Thrane & Thrane



• Inmarsat's Broadband Global Area Network service – BGAN – is accessible via a small, lightweight, satellite terminal, which is quick to set up and easy to use. And you can use the same device worldwide.

A range of terminals is available, providing performance options to suit different operational needs. The service is accessed via BGAN LaunchPad, a software interface, which is standard across all terminals.



High bandwidth, highly portable device

The Thrane & Thrane EXPLORER 500 combines exceptional performance with portability. It meets the needs of the most demanding business traveller for remote, high-speed access to corporate networks. It is also suitable for small teams that need to set up a temporary office.

Applications

- **Remote access** – high-speed access to your corporate network, enabling access to company and customer information.
- **Internet** – access the internet at speeds up to 464kbps.
- **Email** – send and receive email via the internet or email applications.
- **Telephony** – make phone calls via a peripheral handset at the same time as accessing data applications.
- **Streaming** – select guaranteed quality of service up to 128kbps on demand, eg. for video, audio.
- **File transfer** – send and receive large files.
- **Store and forward** – save and send files eg. video.

Key benefits

Simultaneous voice and broadband data – access your data applications and make a phone call at the same time – via a Bluetooth handset or a standard desktop phone. Also supports streaming IP at speeds up to 128kbps for applications requiring guaranteed quality of service.

Highly portable – smaller than a laptop, the EXPLORER 500 represents the ultimate combination of portability and performance.

Global coverage – provides service anywhere within the BGAN coverage area.

Easy to use – simply plug in a phone or laptop, or connect using the Bluetooth interface, point the antenna towards the Inmarsat satellite and you are connected.

Highly flexible – caters both to individual users and small teams on the move. Supports circuit-switched and IP packet data via standard LAN, USB, Bluetooth and phone/fax interfaces.

Very robust – splash and dust-resistant.

Completely secure – connect seamlessly via your preferred VPN application.

Physical characteristics

| | |
|-----------------|---|
| Weight | <1.5kgs (<3.3lbs) |
| Dimensions | Length: 217mm (8.5") Width: 217mm (8.5") Depth: 52mm (2.0") |
| Interfaces | USB Ethernet Bluetooth (up to 20m) - Supported profiles: - Service discovery application - Serial port - Dial-up networking - Headset profile - Cordless telephony RJ-11 |
| User access | Via activated 3G compatible SIM card |
| User interfaces | |
| PC | BGAN LaunchPad Built-in web-server |
| On terminal | Audio and LCD pointing aids LED indicators |

Power

| | |
|----------------|--|
| Power supply | AC or DC |
| External power | 15 Volts DC, 100-240 Volts AC (47-63Hz) |
| Battery life | |
| Typical use | Transmit time: 1.5 hours at 144kbps Stand-by time: 36 hours |
| Battery type | Lithium-ion. Rechargeable |
| Input voltage | 10-16 Volts DC |

Tolerances

| | |
|--|---|
| Ambient operating temperature | |
| Powered from external DC | -25°C to +55°C (-13°F to +131°F) |
| Powered by battery only | 0°C to +55°C (+32°F to +131°F) |
| Charging temp | 0°C to +45°C (+32°F to +113°F) |
| Operating humidity | Relative humidity: 95% non-condensing at +40°C (+104°F) |
| Water and dust (Ingress protection) | IP 54 |

Radio specifications

| | |
|-------------------------------|---------------|
| Maximum radiated power (EIRP) | +15.1dBW ±1dB |
|-------------------------------|---------------|

Supported operating systems

| | |
|------------------|---|
| Operating system | Windows: 2000, XP MAC: OS 10.1 or later Linux: Redhat 9 |
|------------------|---|

Data capabilities

| | |
|--------------|---|
| IP data | |
| Standard IP | Background class of service Send: Up to 448kbps over a shared channel Receive: Up to 464kbps over a shared channel |
| Streaming IP | Guaranteed quality of service Send: 32, 64, 128kbps Receive: 32, 64, 128kbps Multiple IP streaming sessions simultaneously |
| ISDN data | UDI (64kbps) – via USB |
| SMS | 160 characters |

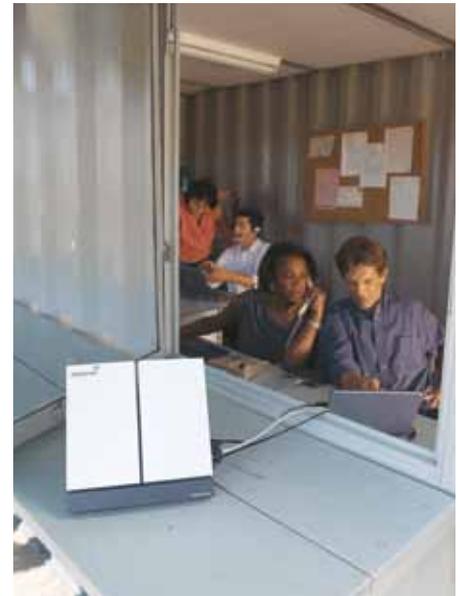
Voice capabilities

| | |
|------------------------|--|
| Voice | 4kbps, 3.1kHz audio |
| Supplementary services | Voicemail Call forwarding Call barring Call waiting Call holding |

Accessories

| | | |
|--------------------|---|---|
| Cabling | Ethernet (2m), USB (2m) | S |
| Voice handset | EXPLORER® Bluetooth handset, 2m charger cable + desk top charger cradle | O |
| AC/DC power supply | 100/240 Volts | S |
| Power plug | 2 pin European type | S |
| Car charger | Cable with cigarette lighter plug | O |
| Solar charger | Off the shelf (please check with manufacturer) | O |
| External antenna | Active (with 10m cable) | O |
| Pole mount kit | For external antenna | O |
| Spare battery | Standard Li-ion battery | O |
| Bag | Canvas bag | O |

S Standard O Optional



How to buy

The Thrane & Thrane range of terminals is available from more than 100 Thrane & Thrane partners worldwide, covering Europe, Africa, the Middle East, Asia, North and South America. Visit www.thrane.com to select the best supplier for you.

About Thrane & Thrane

Thrane & Thrane is the world's leading manufacturer of terminals and land earth stations for global mobile satellite and radio communications. Since its incorporation in 1981, the company has established a strong position within global mobile satellite services based on the Inmarsat system, and today it provides equipment for land-based, maritime and aeronautical use. The company is listed on the Copenhagen Stock Exchange. www.thrane.com

inmarsat.com/bgan

Whilst the above information has been prepared by Inmarsat in good faith, and all reasonable efforts have been made to ensure its accuracy, Inmarsat makes no warranty or representation as to the accuracy, completeness or fitness for purpose or use of the information. Inmarsat shall not be liable for any loss or damage of any kind, including indirect or consequential loss, arising from use of the information and all warranties and conditions, whether express or implied by statute, common law or otherwise, are hereby excluded to the extent permitted by English law. INMARSAT is a trademark of the International Mobile Satellite Organisation, Inmarsat LOGO is a trademark of Inmarsat (IP) Company Limited. Both trademarks are licensed to Inmarsat Global Limited. © Inmarsat Global Limited 2009. All rights reserved. BGAN explorer 500 spec February 2009.