

Inmarsat's Broadband Global Area Network service – BGAN – is accessible via a small, lightweight, satellite terminal, which is easy to carry, quick to set up and simple 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.



# EXPLORER™ 500

## 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 who 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** – 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, e.g. for video, audio.
- **File transfer** – send and receive large files.
- **Store and forward** – save and send files e.g. 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 online.

**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

<b>Weight</b>	<1.5kgs (<3.3lbs)
<b>Dimensions</b>	Length: 217mm (8.5") Width: 217mm (8.5") Depth: 52mm (2.0")
<b>Interfaces</b>	USB Ethernet Bluetooth (up to 100m) - Supported profiles - Service discovery application - Serial port - Dial-up networking - LAN access - Cordless telephony RJ11
<b>User access</b>	Via activated 3G compatible SIM card
<b>User interfaces</b>	
PC	BGAN LaunchPad Built-in web-server
On terminal	Terminal control buttons and LCD

## Power

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

## Tolerances

<b>Ambient operating temperature</b>	
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)
<b>Charging temp</b>	0°C to +45°C (+32°F to +113°F)
<b>Operating humidity</b>	Relative humidity: 95% non-condensing at +40°C (+104°F)
<b>Water and dust (Ingress protection)</b>	IP 54

## Radio specifications

<b>Maximum radiated power (EIRP)</b>	+15.1dBW ±1dB
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## Supported operating systems

<b>Operating system</b>	Windows: 2000, XP MAC: OS 10.1 or later Linux: Redhat 9
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## Data capabilities

<b>IP data</b>	
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
<b>ISDN data</b>	UDI (64kbps) – via USB
<b>SMS</b>	160 characters

## Voice capabilities

<b>Voice</b>	4kbps 3.1kHz audio
<b>Supplementary services</b>	Voicemail Call forwarding Call barring Call waiting Call holding

## Accessories

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

Ⓢ Standard Ⓞ Optional

## How to buy

The EXPLORER™ 500 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](http://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](http://www.thrane.com)



For more details on this product, please contact Thrane & Thrane

[www.inmarsat.com/bgan](http://www.inmarsat.com/bgan)

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