



# 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
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## Supported operating systems

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

