



# EXPLORER® 300

Terminal specification

**NAUTICAL**  
SATCOM

**inmarsat**

• 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.



**Thrane & Thrane**

## Optimum functionality in a compact design

The Thrane & Thrane EXPLORER 300 optimises functionality in a highly compact, robust design. It comprises a single unit incorporating a transceiver and an integral antenna.

The terminal combines performance with ultimate portability and is ideal for single users, who need to set up a complete broadband mobile office in frequently changing locations.

### Applications

- **Remote access** – high-speed access to your corporate network, enabling a gateway to company and customer information.
- **Internet** – access the internet at speeds up to 384kbps.
- **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 64kbps on demand eg. for video, audio.
- **File transfer** – send and receive large files.
- **Store and forward** – save and send large files eg. video.

### Key benefits

**Ultimate portability** – at around half the size of a laptop, it adds little more than 1kg to your luggage.

**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.

**Highly flexible** – incorporates a 2-wire telephone interface in addition to an Ethernet and Bluetooth (25m range) interface.

**Extremely robust** – splash and dust proof, highly durable design.

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

**Easy to use** – simply plug in a phone, laptop or use the Bluetooth interface, point the antenna towards the Inmarsat satellite and you are connected. You can also access the service using the BGAN LaunchPad on your laptop, which gives you pointing assistance, terminal and network details.

**Completely secure** – connect seamlessly via your preferred VPN application.

## Physical characteristics

Weight	1.4kgs (3.1lbs)
Dimensions	Length: 168mm (6.6") Width: 217mm (8.5") Depth: 52mm (2.1")
Interfaces	Ethernet Bluetooth (up to 25m) - Supported profiles: - Cordless handset - Serial port - Service discovery application - Dial-up networking - Headset RJ-11
User access	Via activated 3G compatible SIM card
User interfaces	PC BGAN LaunchPad Built-in web interface
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 hr 20 mins at 96kbps Receive: 3 hrs 30 mins at 64kbps 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 (dust and spray proof in all directions)

## Radio specifications

Maximum radiated power (EIRP)	+10dBW ±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 240kbps over a shared channel Receive: Up to 384kbps over a shared channel
Streaming IP	Guaranteed quality of service Send: 32, 64kbps Receive: 32, 64kbps
ISDN data	N/A
SMS	160 characters

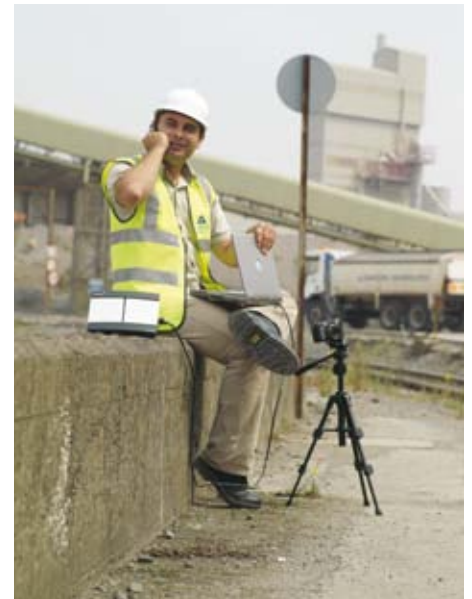
## Voice capabilities

Voice	4kbps
Supplementary services	Voicemail Call forwarding Call barring Call waiting Call holding

## Accessories

Cabling	Ethernet (2m)	S
Voice handset	EXPLORER Bluetooth handset with charger cable + desk top charger cradle for bluetooth handset with power supply	O
AC/DC power supply	100/240 Volts (AC)	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
Pole mount kit	Available via manufacturer	O
Spare battery	Standard Li-ion battery	O
Bag	Canvas bag	O
Antenna	N/A	O

S Standard O Optional



## How to buy BGAN

### NAUTICAL

Fuerteventura, 4  
28703 San Sebastián de los Reyes,  
Madrid  
Spain  
Tel +34 916 549 411  
Fax +34 916 549 600  
comunicaciones@nautical.es  
www.nautical.es

### 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)