



# EXPLORER® 700

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.



## Multi-user device with extensive functionality

The Thrane & Thrane EXPLORER 700 combines optimal performance with extensive functionality in an extremely flexible and robust design. It provides access to the highest bandwidth available on the BGAN network with multiple voice and data interfaces, including WLAN connectivity.

The terminal has a detachable, highly durable antenna, enabling indoor or outdoor use. It is ideal for live video applications or for teams to share in a temporary office environment, whatever the climatic conditions.

### 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 492kbps.
- **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 256kbps 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 standard desktop phone. It supports streaming IP at speeds up to 256kbps on demand and ISDN at 64kbps.

**Highly flexible** – designed as two separate units so the antenna can be placed outside while you work indoors. Multi-user support enables an entire team to share a single unit, enabling an instant broadband LAN. Supports both circuit-switched and IP packet data via USB, two Ethernet ports, Bluetooth, two ISDN ports and WLAN interfaces.

**Extremely robust** – the detachable antenna is purposely designed to operate in extremely challenging environmental conditions.

**Very portable** – allows you to move from site to site quickly and be connected again within minutes.

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

**Easy to use** – The BGAN service can be accessed and managed via BGAN LaunchPad on your laptop or the terminal's built-in web interface or from the built-in display and keypad.

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

## Physical characteristics

<b>Weight</b>	3.2kg (7.0lbs)
<b>Dimensions</b>	Length: 297mm (11.7") Width: 399mm (15.7") Depth: 51mm (2.0")
<b>Interfaces</b>	Antenna USB 2 x Ethernet Bluetooth, class 1 - Supported profiles: - Serial port - Dial-up networking - LAN access - Cordless telephony WLAN access point - 802.11a/b/g - Encryption (WEP/WPA/WPA2) - DHCP 2 x ISDN 64kbps - 3.1kHz audio - RDI & UDI 2 x RJ-11 2 x Digital I/O 12V Solar panel
<b>User access</b>	Via activated 3G compatible SIM card
<b>User interfaces</b>	
<b>PC</b>	BGAN LaunchPad T&T web interface
<b>On terminal</b>	Audio and LCD pointing aids LED indicators

## Power

<b>Power supply</b>	AC or DC, AC via external adaptor
<b>External power</b>	100-240 Volts AC (47-63Hz)
<b>Battery life</b>	
<b>Typical use</b>	Transmit time: 1.5 hours at 492kbps Stand-by time: 36 hours
<b>Battery type</b>	Lithium-ion. Rechargeable
<b>Input voltage</b>	10-32 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 52 – terminal IP 66 – antenna

## Radio specifications

<b>Maximum radiated power (EIRP)</b>	+20dBW ±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>	
<b>Standard IP</b>	Background class of service Send: Up to 492kbps over a shared channel Receive: Up to 492kbps over a shared channel
<b>Streaming IP</b>	Guaranteed quality of service Send: 32, 64, 128, 256kbps Receive: 32, 64, 128, 256kbps
<b>ISDN data</b>	UDI/RDI (64kbps)
<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 (1.8m)	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 (AC)	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>Pole mount kit</b>	For external antenna	O
<b>Spare battery</b>	Standard Li-ion battery	O
<b>Bag</b>	Canvas bag	O
<b>Antenna Cable</b>	41.5 cm, 10 m	S
<b>Other</b>	Antenna cable: 10m (3mm) O 30m (5mm), 60m (10mm) – flexible, 100m (10mm) to connect the transceiver and antenna in 'split' configuration	O

S Standard O Optional



## How to buy

The Thrane & Thrane range of terminals is also 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)

## [inmarsat.com/explorer700](http://inmarsat.com/explorer700)

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