



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, including vehicular systems, 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 data rates on demand to suit your application. Choose BGAN X-Stream™ for speeds in excess of 384kbps for live video broadcasting. Also supports ISDN at 64kbps.
- **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.

Global coverage – BGAN is accessible worldwide so wherever you are, connectivity is assured.

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, Ethernet, Bluetooth, ISDN ports and WLAN interfaces.

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

Easy to use – no technical expertise required, simply point to the satellite and connect, then plug in a phone or laptop.

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

Completely secure – connect seamlessly via your preferred VPN application.

Physical characteristics

Weight	3.2kg (7.0lbs)
Dimensions	Length: 297mm (11.7") Width: 399mm (15.7") Depth: 51mm (2.0")
Interfaces	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
User access	Via activated 3G compatible SIM card
User interfaces	
PC	BGAN LaunchPad T&T web interface
On terminal	Audio and LCD pointing aids LED indicators

Power

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

Radio specifications

Maximum radiated power (EIRP)	+20dBW ±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 492kbps over a shared channel Receive: Up to 492kbps over a shared channel
Streaming IP	Guaranteed quality of service Send: 32, 64, 128, 256kbps, BGAN X-Stream™ Receive: 32, 64, 128, 256kbps, BGAN X-Stream™
ISDN data	UDI/RDI (64kbps)
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 (1.8m)	S
Voice handset	EXPLORER Bluetooth handset, 2m charger cable + desk top charger cradle	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	For external antenna	O
Spare battery	Standard Li-ion battery	O
Bag	Canvas bag	O
Antenna cable	41.5cm, 10m	S
Other	Antenna cable: 10m (3mm) O 30m (5mm), 60m (10mm) – flexible, 100m (10mm) to connect the transceiver and antenna in 'split' configuration	O

Ⓢ Standard ○ 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/bgant

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