EXPLORER® 700

Terminal specification

Thrane & Thrane | **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.

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.

Broadband for a mobile planet™

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

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 492kbps over a shared channel Receive: Up to 492kbps over a shared channel
Streaming IP	Guaranteed quality of service Send: 32, 64, 128, 256kbps Receive: 32, 64, 128, 256kbps
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	41.5 cm, 10 m	S
Other	Antenna cable: 10m (3mm) 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 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/explorer700