



EXPLORER® 110

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.



The smallest, lightest device in the range

The Thrane & Thrane EXPLORER 110 combines an exceptionally compact design with performance and optimal flexibility. The terminal can be separated into two parts, so users can choose between indoor and outdoor use, with no need for an external antenna.

Combined with the EXPLORER ISDN handset for voice telephony and text messages, the terminal 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 access 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 files eg. video.

Key benefits

Ultimate portability – at around half the size of a laptop and weighing less than 1kg, it is the smallest and lightest terminal in the range.

Simultaneous voice and broadband data – access your data applications and make a phone call at the same time, via the EXPLORER ISDN handset. The terminal can also be configured and monitored directly from the handset.

Highly flexible – uniquely designed to split into two separate units, so the antenna can be placed outside, while you work indoors in comfort – with no requirement for an additional external antenna. The terminal can be connected to a laptop via the USB port, Bluetooth or Ethernet.

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

Easy to use – with the one-patch antenna design, it takes less than a minute to locate a satellite communications signal. The service can be accessed via BGAN LaunchPad on your laptop, an EXPLORER ISDN handset or an on-box user interface with self-explanatory indicators.

Robust – purposely designed to operate in challenging environmental conditions.

Completely secure – connect seamlessly via your preferred VPN application.

Physical characteristics

Weight	< 1.0kg (2.2lbs)
Dimensions	Length: 200mm (7.9") Width: 150mm (5.9") Depth: 40mm (1.6")
Interfaces	USB (with adapter) Bluetooth (up to 20m) - Supported profiles: - Service discovery application - Serial port - Dial-up networking - Headset profile - Cordless telephony Ethernet - static and dynamic IP addressing RJ-45 (for EXPLORER ISDN handset)
User access	Via activated 3G compatible SIM card
User interfaces	
PC	BGAN LaunchPad
On terminal	Audio and LED

Power

Power supply	AC or DC
External power	12 Volts DC, 110 – 240 Volts AC
Battery life	
Typical use	Transmit time: 5 hours Stand-by time: 36 hours
Battery type	Lithium-ion. Rechargeable
Input voltage	10.8-15.6 Volts DC

Tolerances

Ambient operating temperature	
Powered from external DC	-20°C to +55°C (+4°F to +131°F)
Powered by battery only	-20°C to +55°C (+4°F to +131°F)
Charging temp	0°C to +55°C (+32°F to +131°F)
Operating humidity	Relative humidity: 95% non-condensing at +40°C (+104°F)
Water and dust (Ingress protection)	IP 44

Radio specifications

Maximum radiated power (EIRP)	+10dBW
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Supported operating systems

Operating system	Windows: 98SE, 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 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	USB (1.8m)/Ethernet (2m)	S
Voice handset	Wired: EXPLORER ISDN handset (with 2m cable)/ other ISDN phones Wireless: Bluetooth handset	O
AC/DC power supply	110/240 Volts	S
Power plug	2 pin European type	S
Car charger	DC carplug cable, DC/DC adapter 10-31 Volts DC	O
Solar charger	Off the shelf (please check with manufacturer)	O
Pole mount kit	Fixing brackets: window mounting kit based on tripod camera mounting thread wall mount and clamp	O
Spare battery	Standard EXPLORER 110 battery (5 hours use, 36 hours stand-by)	O
Bag	Soft bag	O
Other	Antenna cable (3m/10m/20m) to connect the indoor and outdoor units in 'split' configuration DC/DC adaptor – input 10-31Volts DC Colour variations	O

S Standard O Optional



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.