EXPLORER® 700
Terminal specification

Thrane & Thrane

EXPLORER'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.

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.

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.

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.

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
  - - 802.11s/t/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**
  - 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)
- **Voice handset**: EXPLORER Bluetooth handset, 2m charger cable + desk top charger cradle
- **AC/DC power supply**: 100/240 Volts (AC)
- **Power plug**: 2 pin European type
- **Car charger**: Cable with cigarette lighter plug
- **Solar charger**: Off the shelf (please check with manufacturer)
- **Pole mount kit**: For external antenna
- **Spare battery**: Standard Li-ion battery
- **Bag**: Canvas bag
- **Antenna cable**: 41.5cm, 10m
- **Antenna antenna cable**: Standard
  - Other
    - Antenna cable: 10m (3mm)
    - 30m (5mm), 60m (10mm)
    - flexible, 100m (10mm) to connect the transceiver and antenna in 'split' configuration

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