EXPLORER 727
Comms-on-the-move Inmarsat BGAN terminal

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The most important thing we build is trust
EXPLORER 727
Comms-on-the-move BGAN terminal

Comprehensive communication hub for vehicles
EXPLORER 727 is a high-speed, vehicular broadband system. It consists of three fully integrated units – a transceiver, an IP handset and a roof mountable antenna.

Live media broadcast, defense or humanitarian operations requires communication equipment that you can always rely on. With EXPLORER 727 you get the most comprehensive and best in class Mobile Communication Hub.

High-speed broadband on-the-Move
The antenna automatically tracks satellite positions enabling high-speed connectivity while on-the-move. Simultaneous 432 kbps data and phone calls – even at speeds in excess of 200 km/h.

Mobile Communication
Place the antenna on the roof of your vehicle to turn it into a complete mobile communication hub. Provides access to the internet and phone networks instantly.

Specifications

Dimensions
- Transceiver H / W / D: 42.5 / 231 / 273 mm
- Antenna H / W: 152 / 847 mm

Weight
- Antenna: 6 kg / 13.2 lbs
- Transceiver: 2.5 kg / 5.5 lbs

Global Services
- Voice: 4 kbps AMBE+2
- Premium voice: 3.1 kHz audio, 64 kbps
- Standard IP: Up to 492 kbps
- Streaming IP: 32, 64, 128, 256 kbps
- BGAN X-Stream: Min. 384 kbps on-the-pause
- 1 x ISDN interface: Up to 192 kbps

Environmental conditions
- Temperature
  - Operational: -25 to +55°C / -13 to 131°F
  - Survival: -40 to +85°C / -40 to 176°F
- Relative humidity: 95% non-condensing at +40°C / +104°F

Live streaming – or store-and-forward
Facilitates both live streaming and store-and-forward and enables direct transmissions from the hot spots of the world. Utilize the highest streaming rates available on BGAN with BGAN X-Stream when the terminal is standing still (on-the-pause).

General

User Interface: Power On/Off button. DC power input connector with Remote on/off and locking mechanism. Status LEDs for Power, Transceiver, Antenna, and Messages. Thrane & Thrane web interface. Factory default reset

Languages: UK, FR, DE, ES, RJ and CN

Approvals: CE, GMPCS, FCC

Interfaces

2 x Analogue RJ-11 phone/fax interfaces

4 x LAN interfaces
- Connector type: RJ-45
- Data rate: 10/100 Mbps
- Max. cable length: 100m / 328ft (Cat5 UTP)

1 x ISDN interface
- Connector type: RJ-45
- I/O connector: 5 pin general purpose I/O

Antenna Connector:
- Transceiver, TNC-Socket, Female
- Antenna, TNC-Socket, Female

BGAN SIM-Card slot

Power
- DC input range: 10.5-32VDC
- Power (max)@10.5-32V: 150W (incl. antenna & PoE output)

Other features

Telephone Functionality
- Phone book, message indication, restricted dialing and traffic logging.

Set-up and Router Functionality
- Webserver, Built-in NAT Router, Admin control (password protected), DHCP, Network Management, Remote Management, SIP Server, Point-to-Point Protocol over Ethernet (PPPoE), Power over Ethernet (PoE)

Package
- EXPLORER 727 transceiver
- EXPLORER 727 tracking antenna
- Antenna cable, coax w/ TNC plug (2.7m & 8m / 8.8ft & 26ft)
- Standard ethernet cable (5m / 16.4ft)
- 24V DC input cable (6m / 19.7ft) with 5 additional wires for I/O connectors
- Thrane IP handset w/ cradle & coiled cable
- Antenna mounting kit (fixed / rail)
- Getting started kit: Quick start guide, CD with manuals

Product number
- 403722A-20000 EXPLORER 727 System, white antenna
- 403722A-00700 EXPLORER 727 System, desert sand antenna
- 403722A-20010 EXPLORER 727 System, 19" rack version, white antenna
- 403722A-00710 EXPLORER 727 System, 19" rack version, desert sand antenna

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