

EXPLORER™ 325

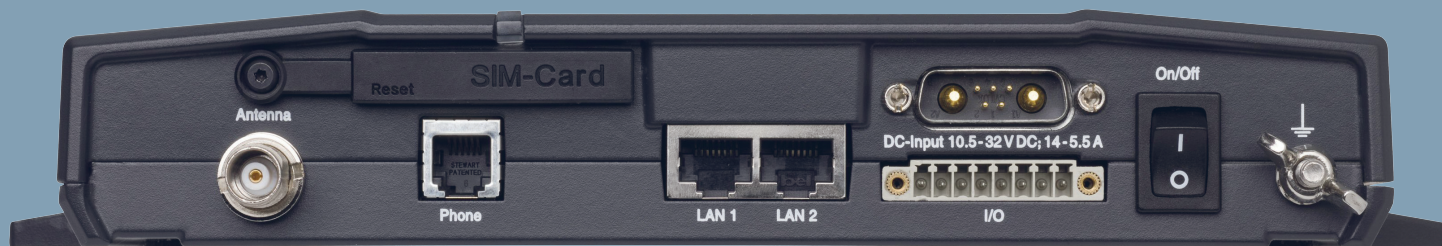
COMPACT VOICE AND BROADBAND SOLUTION FOR VEHICLES



EXPLORER 325 is a compact BGAN system for on-the-move communication. The system consists of three fully integrated units – a transceiver, an IP handset and a roof mountable antenna with magnetic mounts.

Whether you're engaged in humanitarian operations, cargo transportation, broadcasts or telemedicine, you need easy deployable communication equipment you can always rely on. Regardless of time or place.

- **Instant communication:** Simply place the antenna on the roof, connect the antenna and your PC to the EXPLORER terminal, switch on the Thrane & Thrane IP Handset and the vehicle is turned into a mobile communication hub.
- **Compact:** The auto tracking antenna is compact and light-weight, ideal for vehicles on-the-move. It is designed for robust and durable use.
- **No roaming:** BGAN offers mobile broadband connectivity wherever you go at fixed pricing with no roaming fees. With the EXPLORER 325 you know your cost of communication regardless of the number of borders you cross.



Specifications

Dimensions

Transceiver H / W / D:	41 / 231 / 278 mm 1.6 / 9.1 / 10.9 inches
Antenna H / W:	128 / Ø349 mm 4.72 / Ø13.8 inches

Weight

Antenna [excl. magnets]:	3.6 kg / 7.9 lbs
Transceiver:	2.2 kg / 4.9 lbs

Global Services

Voice:	4 kbps AMBE+2
Premium voice:	3.1 kHz audio, 64 kbps (@elevation>45°)
Standard IP:	Up to 464 kbps
Streaming IP:	32, 64, 128 kbps
SMS:	160 characters

Elevation

Guaranteed service:	Works above 5° elevation
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Inmarsat BGAN frequencies

Receive (Rx):	1525.0 – 1559.0 MHz
Transmit (Tx):	1626.5 – 1660.5 MHz

Recommended antenna cable

Cable loss max / min	
20 dB @ 1.62 GHz & 1 Ω DC loop resistance	
3 dB @ 36 MHz – 4 dB @ 54 MHz	

Environmental Conditions

Temperature

Operational (ambient):	-25 to +55°C / -13 to 131°F
Survival:	-40 to +80°C / -40 to 176°F
Storage:	-40 to +85°C / -40 to 185°F

Relative humidity:	95% non-condensing at +40°C / +104°F
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Water and dust (IP-rating)

Transceiver:	IP31
Antenna:	IP56

Interfaces

- 2 x 10/100 Mbit Ethernet LAN RJ-45 interfaces with Power over Ethernet (PoE)
- 1 x RJ-11 analogue phone interface
- 5 x I/O connector with General Purpose I/Os
- 1 x BGAN SIM-Card slot

Connectors

- Transceiver, TNC-Socket, Female
- Antenna, TNC-Socket, Female

Power

DC input range:	10.5 to 32V
Power (max) @ 10.5-32V:	120W (incl. antenna & PoE output)

General

User interface

- Power On/Off button
- DC power input connector with Remote on/off and locking mechanism
- Thrane & Thrane web interface
- Power LED
- Factory default reset

Languages (web user interface)

UK, FR, DE, ES, RU and CN

Approvals

- CE, GMPCS, FCC
- Inmarsat Land Class 11 Type Approval (Vehicular)

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 325 transceiver
- EXPLORER 325 tracking antenna with magnetic mount
- Antenna cable, coax w/ TNC plug (2.7m / 8.8ft) & Ethernet Cable (2m / 6ft)
- Thrane IP handset w/ cradle & coiled cable
- Getting started kit: Quick start guide, CD with manuals
- 12/24V DC input cable (3m / 9.8ft)

Accessories

- EXPLORER 2-wire handset
- Antenna cables (coax, TNC/TNC): 8m, 14m, 50m
- 12/24V DC input cable (6m / 19.7ft) with 5 additional wires for I/O connectors

Product Number

403721A-00700 EXPLORER 325 System, white antenna