

## 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

### 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

