

## EXPLORER™ 325

COMPACT BGAN SYSTEM FOR ON-THE-MOVE COMMUNICATION



**EXPLORER 325 has the smallest on-the-move BGAN antenna in the market. The system consists of three fully integrated units – a transceiver, an IP handset and a roof mountable antenna.**

**The antenna is compact and lightweight, ideal for vehicles on-the-move. It is designed for robust and durable use – and easy to carry along when traveling the world.**

**The antenna has built-in magnetic roof mounts. Simply place the antenna on the roof of the vehicle, connect it to the transceiver and the vehicle is turned into a mobile communication hub with global coverage.**

**Key features:**

- Broadband on-the-move
- Auto tracking antenna
- Seamless global coverage
- Smallest on-the-move BGAN antenna

**Key specifications:**

- Antenna size: 35 cm wide and 12 cm high
- Works above 5° elevation
- Inmarsat Class 11 specifications
- Up to 384 kbps IP data
- 32, 64, 128 kbps streaming IP data
- Built-in magnetic roof mounts
- Thrane & Thrane VoIP Handset
- 2 Ethernet ports for Internet access
- 1 2-wire port for traditional PSTN



## Specifications

### Dimensions

|                     |                     |
|---------------------|---------------------|
| Transceiver:        |                     |
| H/W/D [mm]          | 41 / 231 / 278      |
| H/W/D [inches]      | 1.61 / 9.09 / 10.94 |
| Antenna:            |                     |
| H/Diameter [mm]     | 120 / 350           |
| H/Diameter [inches] | 4.72 / 13.8         |

### Weight

|             |                        |
|-------------|------------------------|
| Antenna     | 4.5 kg / 9.9 lbs (TBD) |
| Transceiver | 2.4 kg / 5.5 lbs       |

### Global Services

|              |                  |
|--------------|------------------|
| Voice        | 4 kbps AMBE+2    |
| Standard IP  | Up to 384 kbps   |
| Streaming IP | 32, 64, 128 kbps |
| SMS          | 160 characters   |

### Elevation

|                    |                          |
|--------------------|--------------------------|
| Guaranteed service | Works above 5° elevation |
|--------------------|--------------------------|

### Frequency Band

|             |                     |
|-------------|---------------------|
| Rx          | 1525.0 – 1559.0 MHz |
| Tx          | 1626.5 – 1660.5 MHz |
| Ch. Spacing | 1.25 kHz – Rx.      |

## Environmental Conditions

### Temperature

|                                   |                    |
|-----------------------------------|--------------------|
| Ambient Temperature (operational) | -25 to +55°C       |
| Survival Temperature (power on)   | -40 to +80°C       |
| Storage Temperature               | -40 to +85°C       |
| Operating humidity (at 40°C)      | 95% non-condensing |

### Water and dust (IP-rating)

|          |      |
|----------|------|
| Terminal | IP31 |
| Antenna  | IP56 |

## Power

|  |                          |
|--|--------------------------|
| DC input range:                                      | 10.5 to 32V              |
| Maximum consumption @ 10-32V:<br>(including antenna) | 120W / 12V<br>150W / 24V |

## Interfaces

### Transceiver interfaces

- Power On/Off button
- DC power input connector with Remote on/off and locking mechanism
- 2 10/100Mbit Ethernet LAN user ports with Power over Ethernet (PoE)
- 1 Independent RJ-11 port (2-Wire connector)
- 5 I/O connector with General Purpose I/Os
- 1 SIM-Card slot
- Power LED
- Factory default reset

### Antenna Connectors

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

## General

### Approvals

- To be Inmarsat Land Vehicular PCT Approved. Inmarsat Class 11 compliant
- To be CE, FCC and GMPCS approved

## Features

### Telephone Functionality

- Phone Book
- Message indication
- Restricted dialing
- Traffic logging

### Set-up and Router Functionality

- Webserver
- Built-in NAT Router
- Network Management
- SIP Server
- 11 PDP contexts
- PPPoE

## Package

- EXPLORER™ 325 Transceiver
- EXPLORER™ 325 Tracking Antenna
- Antenna cable (2.7m COAX w/ TNC plug) & Ethernet Cable (2m)
- Thrane IP Handset with cradle (Item 403670A-00500)



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**NB1:** Product meets or exceeds Inmarsat specifications for operation on the Inmarsat Broadband Global Area Network (BGAN).  
**NB2:** Product performance depends on a wide range of factors and actual usage.

Preliminary datasheet - subject to change

