



## BGAN Explorer 325 Thrane & Thrane



AST Australia's Broadband Global Area Network service- BGAN - is accessible via a range of small, lightweight, satellite terminal, which is quick and easy to use. And you can use the same device worldwide.

A range of terminals are 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 BGAN family utilises the Inmarsat satellite network.



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 users do not even have to point the antenna towards the satellite.



### Key Features

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

### Key specifications:

- Antenna size: 35cm wide and 12cm 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

EXPLORER 325 offers data speeds up to 384kbps standard IP and up to 128kbps streaming, and works down to 5° elevation whether stationary or moving at speed across all types of terrain.

It provides global access and is suitable for a wealth of applications and user segments from government and military through to non-government organisations, humanitarian and field service use. The new price point will also open up cost-effective on-the-move communications to new markets, such as trains, busses, trucks and sporting events including cycling or motorsport.

# BGAN Explorer 325

Thrane Thrane

## 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 / 9.95 lbs (TBD)
Transceiver	2.4 kg / 5.5 lbs

### Global Services

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

### Elevation

Guaranteed service	Works above 5° elevation
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### Frequency Band

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

## 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

## 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

Terminal	IP31
Antenna	IP56

## Power

DC input range	10.5 to 32V
Maximum consumption at 10-32V (including antenna)	120W / 12V 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/O's

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

### 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)

### Head Office: Perth

Satellite House, 33a Walters Drive, Osborne Park, Western Australia 6017  
t: +61 8 9205 4000 | f: +61 8 9205 4040

### Sydney

sydney@asta.net.au  
t: +61 418 952 235

### Brisbane

brisbane@asta.net.au  
t: +61 408 355 531

### Jakarta

indonesia@asta.net.au  
t: +62 8161 839 808