

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

EXPLORER™



Specifications

Dimensions

Transceiver:	41 / 231 / 278
H/W/D [mm]	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
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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:	120W / 12V
(including antenna)	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)