

EXPLORER™ 325

BROADBAND ON-THE-MOVE



EXPLORER™ 325 provides broadband on-the-move. It consists of three fully integrated units—a transceiver, an IP Handset and a roof mountable antenna.

Broadband-on-the-move

EXPLORER™ 325 has the smallest vehicular BGAN antenna in the market. The antenna is constantly tracking satellite positions to make broadband connectivity and communication possible—even when moving. Just place the antenna on the roof of the vehicle and connect it to the receiver and you have instant access to the internet and phone networks.

Key features:

- Auto tracking antenna
- Seamless global coverage
- Smallest on-the-move BGAN antenna
 - Antenna is only 35 cm wide and 12 cm high
- Inmarsat Class 11 specifications
- Works above 5° elevation
- Speeds up to 384kbps data (above 20° elevation)
- 128 kbps streaming data



Preliminary datasheet—subject to change

EXPLORER™

EXPLORER™ 325 – Technical Specifications

Specifications

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

Elevation

Guaranteed service at elevations above >5°

Frequency Band

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

Recommended Antenna Cable

Max. cable length pr. type

RG-223_U-01	14m
RG-214_U-01	m
S-07262-BD	35m

Global Services

Voice:
- 4kbps AMBE+2
Data (UDI):
Maximum Standard IP: 384 kbps
Maximum Streaming IP: 128 kbps
SMS 160 characters

Antenna Connectors

EXPLORER Terminal TNC-Socket, Female
EXPLORER 325 Antenna, TNC-Socket, Female

Tranciever 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 phone (2-wire connector)
5 I/O connector with General Purpose I/Os:
Sim card
Power LED
Factory default reset

Power Supply & Consumption

DC input range:	10 to 32V
Maximum consumption @ 10-32V.:	120W/12V
(including antenna)	150W/24V

Environmental Conditions

Ambient Temperature (operational)	: -25 to +55°C
Survival Temperature (power on, non functional)	: -40 to +80°C
Automatic thermal surveillance shuts down terminal gradually at +85°C PCB temperature.	
Storage Temperature	: -40 to +85°C

Operating humidity (at 40°C)	: 95% non-condensing
-------------------------------------	----------------------

Ingress Protection

Terminal	IP31
Antenna	IP56

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

Dimensions:

Weight

Antenna:	4.5 kg/9.9 lbs
Transceiver:	2.4 kg/5.5 lbs

Size

Transceiver:

H/W/D [mm]	42.5 / 264.5 / 273
H/W/D [inches]	1.67 / 10.41 / 10.75

Antenna

H/W/D [mm]	120/ Ø350
H/W/D [inches]	4.7 / Ø/ 13.8

Package

EXPLORER™ 325 Tranciever
EXPLORER™ 325 Tracking Antenna
Antenna cable (2.7m COAX w/ TNC plug) & Ethernet Cable (5m)
Thrane IP Handset with cradle (Item 403670A-00500)