EXPLORER 325

Comms–on–the–move Inmarsat BGAN terminal

COBHAM

February 2016 Product Sheet

The most important thing we build is trust

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COBHAM

Compact voice and broadband solution

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 lightweight, 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.

General

User Interface:	Power On/Off button. Status LED. Thrane & Thrane web interface. Factory default reset
Languages:	UK, FR, DE, ES, RU and CN
Approvals:	CE, GMPCS, FCC Inmarsat Land Class 11 Type Approval (Vehicular)

Power

DC input range:	10.5–32VDC
Power (max)@10.5–32V.:	150W (incl. antenna & PoE output)

Other 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)

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:	3.6kg / 7.9lbs (excl. magnets)
Transceiver:	2.2kg / 4.9lbs

Global Services

Voice:	4 kbps AMBE+2
Premium voice:	64 kbps (@elevation>45°)
Standard IP:	Up to 464 kbps
Streaming IP:	32, 64, 128 kbps
SMS:	160 characters

Guaranteed service:	Works above 5° elevation
Inmarsat frequencies:	1525.0 – 1559.0 MHz (Rx)
	1626.5 – 1660.5 MHz (Tx)

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

Interfaces

1 x Analogue RJ–11 phone/fax interfaces

2 x LAN interface

Connector type:	RJ–45
	Power over Ethernet (PoE)
Data rate:	10/100 Mbps
Max. cable length:	100m / 328ft (Cat5 UTP)
Standard:	ISO/IEC 8877:1992 and IEEE 802.3 (1998 edition)

I/O connector:	5 pin general purpose I/O
Antenna connector:	Transceiver, TNC–Socket, Female
	Antenna, TNC–Socket, Female
DC power connector:	DC power input connector with Remote on/off and locking mechanism.

BGAN SIM-Card slot

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)

Product number

403721A–00700   EXPLORER 325 System, white antenna

Environmental conditions

Temperature

Operational:	−25to +55°C / −13 to 131°F
Survival:	−40to +80°C / −40 to 176°F
Storage:	−40to +85°C / −40 to 185°F

Relative humidity:	95% non–condensing at +40°C / +104°F

Water and dust (IP-rating)

Transceiver:	IP30
Antenna:	IP56

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