

EXPLORER 325

Comms-on-the-move BGAN terminal

COBHAM
SATCOM
Connecting the future

Product Sheet



EXPLORER 325

Comms-on-the-move BGAN terminal

COBHAM SATCOM

Compact voice and broadband solution

EXPLORER 325 is a compact BGAN system for on-the-move communication. The system consists of two fully integrated units – a transceiver 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 your PC to the EXPLORER terminal, switch on the optional Thrane IP Handset and the vehicle is turned into a mobile communication hub.

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.



EXPLORER 325 system with an Thrane IP Handset (optional)

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
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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

General

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

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)
1 x I/O connector:	5 pin general purpose I/O
Antenna connector:	Transceiver, TNC-Socket, Female Antenna, TNC-Socket, Female
Power connector:	DC power input connector with remote on/off and locking mechanism
1 x BGAN SIM-Card slot	

Environmental conditions

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

Relative humidity:	95% non-condensing at +40°C / +104°F
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Water and dust (IP-rating)

Transceiver:	IP30
Antenna:	IP56

Power

DC input range:	10.5-32VDC
Power (max):	150W (@10.5-32VDC)
	(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).

Package

EXPLORER 325 transceiver
EXPLORER 325 tracking antenna w. magnetic mounts
Antenna cable, coax w/ TNC plug (2.7m / 8.8ft)
Ethernet Cable (2m / 6ft)
Quick start guide, CD with manuals
12/24V DC input cable (3m / 9.8ft)

Accessories

403722A-941	8m antenna cable TNC/TNC
403670A-00501	Thrane IP Handset, wired

Product number

403721A-00535	EXPLORER 325 System w/o IP Handset
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For further information please contact:
satcom.land@cobhamsatcom.com