

EXPLORER 325

Comms-on-the-move Inmarsat BGAN terminal

April 2021 Product Sheet

COBHAM



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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

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.



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 |

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, 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 |
| 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 mount
- Antenna cable, coax w/ TNC plug (2.7m / 8.8ft)
- Ethernet Cable (2m / 6ft)
- IP handset w/ cradle & coiled cable
- Quick start guide, CD with manuals
- 12/24V DC input cable (3m / 9.8ft)

Product number

403721A-00502 EXPLORER 325 System

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Subject to change without notice.

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