

# EXPLORER 323

Ultra-compact comms-on-the-move Inmarsat BGAN terminal

# COBHAM

Draft 2019 Product Sheet



# EXPLORER 323

Ultra-compact comms-on-the-move BGAN terminal

## Compact voice and broadband solution

EXPLORER 323 is an ultra compact BGAN terminal for voice and data communication on-the-move, a perfect match for PRISM PTT\*.

The one-piece system consists of a combined transceiver and switched beam antenna with integrated wifi.

Whether you're engaged in humanitarian operations, cargo or rail transportation, telemedicine or emergency services, you need easy deployable communication equipment you can always rely on. Regardless of time or place.



## Specifications

### Dimensions

Terminal H / W:	97 / Ø321 mm (incl. mounts) 3.82 / Ø12.7 inches
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### Weight

Terminal:	3.6kg / 7.9lbs
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### Global Services

Voice:	4 kbps AMBE+2
Premium voice:	64 kbps (@elevation>45°)
Standard IP:	Up to 200 kbps
Streaming IP:	16, 32 kbps
SMS:	160 characters

**Guaranteed service:** Above 20° elevation

**Limited service:** 5°-20° elevation

<b>Inmarsat frequencies:</b>	1518.0 - 1525.0 MHz (Rx) (EMEA)
	1525.0 - 1559.0 MHz (Rx)
	1626.5 - 1660.5 MHz (Tx)
	1668.0 - 1675.0 MHz (Tx) (EMEA)

## Instant communication

Simply place the terminal on the roof - it is easily mounted with optional magnetic mounts - and connect your phone to the EXPLORER app or log onto the wireless network with your PC to turn the vehicle into a mobile communication hub.

## No moving parts

The beam switching antenna is ultra compact and lightweight (just 3.6 kg / 7.9 lbs), ideal for vehicles or trains on-the-move. It is designed for robust and durable use with no moving parts.

## General

<b>User Interface:</b>	Status LED Web interface Factory default reset
<b>Languages:</b>	UK, FR, DE, ES, RU, CN and PT
<b>Approvals:</b>	CE, GMPCS, FCC Inmarsat Class 12 and Inmarsat M2M Type Approval

## Interfaces

### 1 x WLAN interface

Standard:	802.11 b/g
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### 1 x LAN interface

Data rate:	10/100 Mbps
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### Combined DC power and Ethernet connector

Combined connector providing DC power input, ignition and Ethernet connectivity  
Hybrid cable, wires: Power 2, Ignition 1, Ethernet 4 + 1 (shield)

### 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)

Terminal:	IP66
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## No roaming

BGAN offers mobile broadband connectivity wherever you go at fixed pricing with no roaming fees. With the EXPLORER 323 you know your cost of communication regardless of the number of borders you cross.

## First of its kind

As an ultra-portable vehicular terminal, EXPLORER 323 is the first terminal with an Inmarsat Class 12 type approval, enabling it to be used for both M2M and traditional BGAN.

## Power

**DC input range:** 10.5-32VDC

**Power (max) @10.5-32V:** 35W

## Other features

### EXPLORER Connect App

For making telephone calls from your smartphone. Available for Android and iPhone.

### 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)

## Package

EXPLORER 323 terminal (combined transceiver and switched beam antenna)  
Combined DC power and Ethernet cable, 6m open ended  
Installation guide

## Product number

403723A-00500 EXPLORER 323 System

## Accessories

403723A-009	Magnetic mount solution
403723A-TBD	24V cable, 15m

For further information please contact:

  
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