

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

Inmarsat frequencies:

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

User Interface:	Status LED Web interface Factory default reset
Languages:	UK, FR, DE, ES, RU, CN and PT
Approvals:	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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