

EXPLORER 323

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

COBHAM

June 2021 Product Sheet



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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 our Cobham PRISM PTT* solution.

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 and Weight

Height:	9.7 cm / 3.82 inches (incl. mounts)
Width:	Ø32.1 cm / Ø12.7 inches
Weight:	3.9 kg / 8.5 lbs

Global Services

Voice:	4 kbps AMBE+2
Standard IP (Rx/Tx):	Up to 384 / 225 kbps (>20° elevation) Up to 270 / 158 kbps (>5° elevation)
Streaming IP:	32, 64 kbps (>20° elevation) 32 kbps (>5° elevation)
SMS:	160 characters

On-The-Move Communication

IP Data and Voice:	Services supported at vehicle speeds up to 200 km/h (125 mph)
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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)
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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 3.9 kg / 8.5 lbs), ideal for vehicles or trains on-the-move. It is designed for robust and durable use with no moving parts.

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 a vehicular terminal, EXPLORER 323 is the first terminal to obtain both Inmarsat Class 12 Type Approval and BGAN M2M Certification, enabling it to operate with traditional BGAN and BGAN M2M SIM cards.

General

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

Interfaces

1 x WLAN interface	
Standard:	802.11 b/g
1 x LAN interface	
Data rate:	10/100 Mbps
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
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Water and dust (IP-rating)

Terminal:	IP66
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Power

DC input range (nom.):	12 - 24VDC
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). 6m combined DC power and Ethernet cable (open ended), installation guide

Product number

403723A-00500	EXPLORER 323 System
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Accessories

403723A-009	Magnetic mount solution
403706A-050	EXPLORER Connection Box
403723A-058	6m cable for 24V DC and Ethernet
403723A-060	15m cable for 24V DC and Ethernet

For further information please contact:

Cobham SATCOM
Lundtoftegaardsvej 93 D
DK-2800 Kgs. Lyngby
Denmark
Tel: +45 3955 8800



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www.cobhamsatcom.com