EXPLORER 323
Ultra-compact comms-on-the-move Inmarsat BGAN terminal

Draft 2019 Product Sheet
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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 tranceiver 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.

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.

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.

Specifications

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

Weight
Terminal: 3.6kg / 7.9lbs

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)

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

1 x LAN interface
Data rate: 10/100 Mbps

Combined DC power and Ethernet connector
Combined connector providing DC power input, Ethernet 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

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 NAF Router, Admin control (password protected), DHCP, Network Management, Remote Management, SIP Server, Point-to-Point Protocol over Ethernet (PPPoe)

Package
EXPLORER 323 terminal (combined tranceiver 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:
Whenever Communications
DBA Satellitephonestore.com
7430 N. Tamiami Trl, Sarasota FL 34243
Main Line: +1-941-955-1020

www.cobham.com/satcom