

EXPLORER 323

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

Product Sheet

COBHAM
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Connecting the future



EXPLORER 323

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



Compact one-piece voice and data 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.

No moving parts

The beam switching antenna is ultra compact and light-weight (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.

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 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.



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) |
|--------------------|---------------------------------------------------------------|

| | |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| 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, 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 |

Water and dust (IP-rating)

| | |
|-----------|------|
| Terminal: | IP66 |
|-----------|------|

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 |
|---------------|---------------------|

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 |

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