

BGAN Explorer 325

Designed for cost-effective vehicular internet connectivity.

Explorer 325 delivers video streaming, voice communication, email and VPN access on the move over the BGAN network.



Overview

With EXPLORER 325 you are able to connect to the world via voice or data over Inmarsat BGAN instantly, even when your vehicle is moving. Communicating on-the-move ensures your ability to get the job done and with EXPLORER 325, you are never out of touch, even if you're travelling at up to 200km/h.

It enables BGAN data speeds up to 384kbps standard IP and up to 128kbps streaming, and operation down to 5° elevation even when moving at speed across rough ground.

Benefit from a fast connection and the confidence that it won't be interrupted when traveling through harsh environments.

EXPLORER 325 is so easy to deploy - just place the antenna on the roof of your vehicle, connect it and your PC to the terminal and you have a mobile communication hub. You can virtually be in your office in no time at all. Access VPN, catch up on email, browse the web; with fixed pricing and no roaming fees when you cross borders.

At 35cm in diameter, 12cm high and weighing just 3.6kg, EXPLORER 325 has the smallest available vehicular BGAN antenna on the market. The compact size and price-point of EXPLORER 325 opens up new applications for on-the-move communication, including trains and trucks.

Details

Manufacturer:	• Cobham
Network:	• Inmarsat
Device Type:	• Modem
Markets:	• SCADA / Telemetry • Military

Technical Specs

Data Capabilities:

Dimensions

- Transceiver H / W / D: 41 / 231 / 278 mm
- 1.6 / 9.1 / 10.9 inches
- Antenna H / W: 128 / Ø349 mm
- 4.72 / Ø13.8 inches

Weight

- Antenna [excl. magnets]: 3.6 kg / 7.9 lbs
- Transceiver: 2.2 kg / 4.9 lbs

Global services

- Voice: 4 kbps AMBE+2
- Premium voice: 3.1 kHz audio, 64 kbps (@elevation>45°)
- Standard IP: Up to 464 kbps
- Streaming IP: 32, 64, 128 kbps
- SMS: 160 characters

Elevation

- Guaranteed service: Works above 5° elevation

Inmarsat BGAN frequencies

- Receive (Rx): 1525.0 – 1559.0 MHz
- Transmit (Tx): 1626.5 – 1660.5 MHz

Recommended antenna cable

- Cable loss max / min
- 20 dB @ 1.62 GHz & 1 Ω DC loop resistance
- 3 dB @ 36 MHz – 4 dB @ 54 MHz

Environmental:

Temperature

- Operational (ambient): -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)

- Transceiver: IP31
 - Antenna: IP56
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Interfaces:

- 2 x 10/100 Mbit Ethernet LAN RJ-45 interfaces with Power over Ethernet (PoE)
- 1 x RJ-11 analogue phone interface
- 5 x I/O connector with General Purpose I/Os
- 1 x BGAN SIM-Card slot

Connectors

- Transceiver, TNC-Socket, Female
 - Antenna, TNC-Socket, Female
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Power:

- DC input range: 10.5 to 32V
- Power (max) @ 10.5-32V.: 120W (incl. antenna & PoE output)