

EXPLORER BGAN

A comprehensive series of Inmarsat BGAN terminals

COBHAM

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The most important thing we build is trust

EXPLORER BGAN is a series of L-band satellite terminals utilizing the BGAN network from Inmarsat. The EXPLORER BGAN terminals are available as portable BGAN, vehicular BGAN and BGAN M2M, and offer connectivity from anywhere in the world.

Portable BGAN

EXPLORER 300

Compact – for Individual Usage

- The smallest terminal in the EXPLORER series weighing only 1.4 kg.
- Simultaneous high quality voice and broadband access at speeds up to 384 kbps. Supports LAN and phone/fax interfaces.



EXPLORER 510

Ultra-Portable Satellite Companion

- The durable magnesium casing, an IP66 design, and a built-in battery make the EXPLORER 510 fit for purpose.



- The ideal combination of performance and portability when working off the beaten track.
- The intuitive user interface that can be accessed from your smart device or PC.
- Connect the optional EXPLORER Cellular Modem to the USB port and turn your device into a true communication SmartHub.

EXPLORER 710

High-Speed, Portable BGAN Terminal

- The only BGAN terminal to support the full Inmarsat HDR streaming service. With an average speed of 600-700kbps the EXPLORER 710 sets a high standard for remote video newsgathering.
- Native Plug & Play HDR Bonding: Simply connect two EXPLORER 710 terminals and achieve streaming rates above 1 Mbps.
- Smart Phone connectivity for voice calling and data. Other features include a USB host interface, an easy-to-use LCD display and multiple interfaces.



EXPLORER Connect App for BGAN

Satellite Connectivity Made Simple



- Smart Phone App for EXPLORER 510 and 710, available for free for IOS and Android. Control your BGAN and manage your satellite connection.
- Use your phone to place/receive calls over the BGAN network. Use your own list of contacts and avoid expensive roaming.



Vehicular BGAN

EXPLORER 325

Compact Voice and Broadband Solution for Vehicles

- Instant communication: Place the antenna on the roof, connect the antenna and your PC to the terminal, switch on the IP Handset and the vehicle is turned into a mobile communication hub.
- The auto-tracking antenna is compact and lightweight, ideal for vehicles on-the-move.
- Mobile broadband connectivity wherever you go at fixed pricing.



EXPLORER 727

Best in Class Comms-On-The-Move

- High-speed broadband on-the-Move: Automatically tracks satellite positions enabling connectivity while on-the-move. Simultaneous 432 kbps data and phone calls – even at speeds in excess of 200 km/h.
- Mobile communication hub: Place the antenna on the roof to turn it into a complete mobile communication hub. Provides access to the internet and phone networks instantly.
- Live streaming - or store-and-forward: Facilitates both live streaming and store-and-forward. Utilise BGAN X-Stream when on the pause.



BGAN M2M

EXPLORER 540

Dual Mode BGAN M2M & Cellular Terminal

- The first and only BGAN M2M designed to operate on both BGAN and cellular LTE/3G/2G networks.
- Optional cellular modem an integrated part of the design.
- Lightweight and rugged IP66 design ensures durability for outside mounting.
- Simple to setup and operate. Polemount included in the package.
- Versatile power options - PoE & 10-32VDC.



EXPLORER BGAN

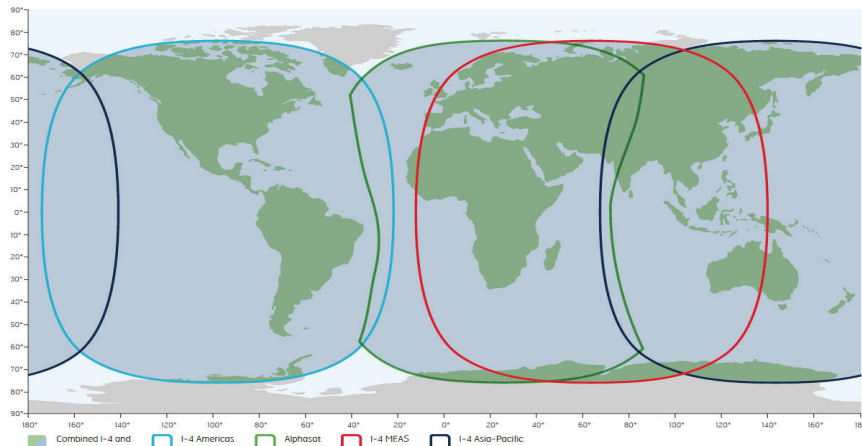
A comprehensive series of Inmarsat BGAN terminals



| | Vehicular BGAN terminals | | Portable BGAN terminals | | | BGAN M2M |
|---------------------------|---|---|--|--|--|---|
| | EXPLORER 325 | EXPLORER 727 | EXPLORER 300 | EXPLORER 510 | EXPLORER 710 | EXPLORER 540 |
| Weight | 5.8 kg | 8.5 kg | 1.4 kg | 1.4 kg | 3.5 kg | 1.6 kg |
| Size (H x W x D) | Terminal 41 x 231 x 278 mm Antenna 128 x Ø349 mm | Terminal 43 x 231 x 273 mm Antenna 152 x Ø477 mm | 170 x 217 x 52 mm | 202 x 202 x 52 | 332 x 279 x 54 mm | 202 / 202 / 51.8 mm |
| Battery | - | - | Li-Ion – 30h standby 3h – standard voice 1h30 upload @ 96 kbps | Li-Ion – 24h standby 2h10 upload @ 128 kbps 2h10 Streaming @ 128kbps | Li-Ion – 24h standby 4h upload @ 128 kbps 1h45 Streaming @ HDR | - |
| Ingress Protection Rating | Terminal IP31 Antenna IP56 | Terminal IP31 Antenna IP56 | IP54 | IP66 | Terminal IP52 Antenna IP66 | IP66 |
| Single/Multi-user | Multi | Multi | Single (1 IP-address) | Multi | Multi | Multi |
| Standard Voice | 4 kbps (AMBE+2) | 4 kbps (AMBE+2) | 4 kbps (AMBE+2) | 4 kbps (AMBE+2) via SIP | 4 kbps (AMBE+2) | 4 kbps (AMBE+2) via SIP BGAN Class 2 mode only |
| Premium Voice | - | 3.1 kHz Audio, 64 kbps (>20° elevation on-the-move) (>5° elevation on-the-pause) | - | 3.1 kHz Audio, 64 kbps via SIP | 3.1 kHz Audio, 64 kbps | 3.1 kHz Audio, 64 kbps via SIP BGAN Class 2 mode only |
| ISDN Data | - | UDI 64 kbps / RDI 56 kbps (>20° elevation on-the-move) (>5° elevation on-the-pause) | - | - | UDI 64 kbps / RDI 56 kbps | - |
| Standard IP | Up to 464 kbps | Up to 492 kbps | Up to 384 kbps | Up to 464 kbps | Up to 492 kbps | Up to 464 kbps |
| Streaming IP | 32, 64, 128 kbps | 32, 64, 128, 256 kbps (256kbps >45° elevation on-the-move) | 32, 64 kbps | 32, 64, 128 kbps | 32, 64, 128, 192, 256, +280, +384, +580 kbps | 32, 64, 128 kbps BGAN Class 2 mode only |
| BGAN X-Stream | - | Minimum 384 kbps | - | - | Minimum 384 kbps | - |
| HDR Streaming | - | - | - | - | Minimum 580 kbps | - |
| Asymmetrical HDR | - | - | - | - | Yes | - |
| Built-in Bonding | - | - | - | - | Up to two HDR channels | - |
| Text (SMS) | 160 characters | 160 characters | 160 characters | - | - | - |
| LAN (Ethernet) | 2 ports | 4 ports | 1 port | - | 2 ports | 1 port |
| ISDN | - | 1 port | - | - | 1 port | - |
| Phone/Fax (2-wire) | 1 port | 2 ports | 1 port | - | 1 port | - |
| USB | - | - | - | 1 USB Host port | 1 USB Host port | Micro USB for LTE modem |
| WLAN | - | - | - | 802.11a/b/g | 802.11a/b/g | - |
| Bluetooth | - | - | Class 2 | - | - | - |
| Antenna | Separate (<50m) | Separate (<50m) | Integrated | Integrated | Detachable (<100m) | - |

Global coverage with Inmarsat BGAN

Broadband Global Area Network (BGAN) is Inmarsat’s terminology for their L-band network with global coverage providing both voice and broadband data. With four satellites placed in geostationary orbit 36,000 kilometers (22,000 miles), they facilitate a reliable global coverage. Combined with an EXPLORER BGAN terminal this solution offers a superior connectivity to traditional phone networks and the internet for professionals working off the beaten track.



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