

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. An EXPLORER BGAN terminal offers a broadband connection and telephony service from anywhere in the world. Every terminal features easy set-up and operation. Simply connect a PC or phone, point the terminal towards a satellite using the compass and sound indicator, and you are instantly connected from anywhere in the world.

EXPLORER 300

Compact – for Individual Usage

- The smallest terminal in the EXPLORER series. Weighs only 1.4 kg. Dimensions: 16.8 x 21.7 x 5.2 cm.
- Provides simultaneous high quality voice and broadband access at speeds up to 384 kbps. It supports LAN and phone/fax interfaces.
- Weighing only 1.4 kg and smaller than a standard laptop. Easy to carry along when travelling the world.



EXPLORER 710

High-Speed, Portable BGAN Terminal

- The first and only BGAN terminal to support the full HDR streaming service from Inmarsat. With an average speed of 600-700kbps the EXPLORER 710 sets a new standard for remote video newsgathering.
- Native Plug & Play HDR Bonding: Simply connect two EXPLORER 710 terminals with an ethernet cable and achieve streaming rates above 1 Mbps.
- This flagship EXPLORER BGAN terminals introduces Smart Phones to the world of BGAN, enabling users to connect their own devices for voice calling and connectivity. Other features include a USB host interface, an easy-to-use LCD display and multiple interfaces.



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.
- BGAN offers 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.



EXPLORER 510

Ultra-Portable Satellite Companion

- The ideal combination of performance and portability when working off the beaten track.
- The durable magnesium casing, an IP66 design, and a built-in battery makes the EXPLORER 510 fit for purpose.
- The intuitive user interface that can be accessed from your smart device or PC. Use the EXPLORER Connect App to easily operate the EXPLORER 510.
- Connect the optional EXPLORER Cellular Modem to the USB port and turn your device into a true communication SmartHub.



EXPLORER Connect App for BGAN

Satellite Connectivity Made Simple

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



EXPLORER BGAN

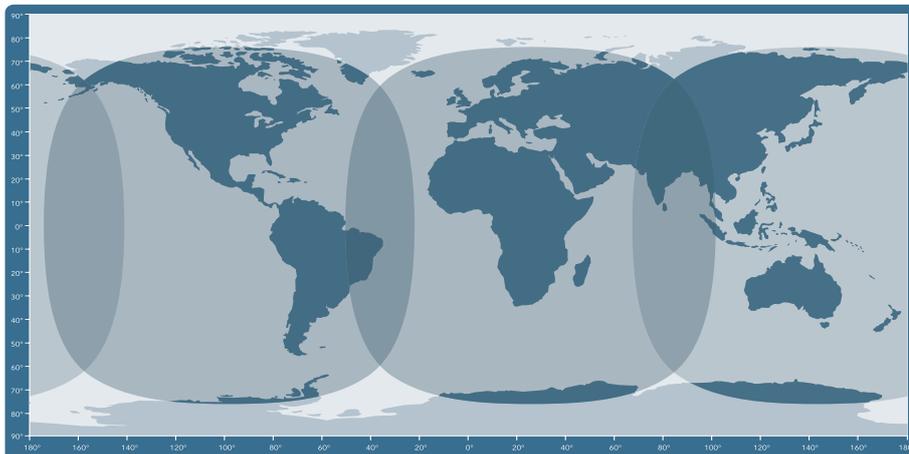


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	Vehicular BGAN terminals		Portable BGAN terminals		
	EXPLORER 325	EXPLORER 727	EXPLORER 300	EXPLORER 510	EXPLORER 710
Weight	5.8 kg	8.5 kg	1.4 kg	1.4 kg	3.5 kg
Size (H x W x D)	Terminal 41 x 231 x 278 mm Antenna 128 x Ø349 mm	Terminal 43 x 231 x 273 mm Antenna 152 x Ø477 mm	170 x 217 x 52 mm	202 x 202 x 52	332 x 279 x 54 mm
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
Single/Multi-user	Multi	Multi	Single (1 IP-address)	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)
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
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
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
BGAN X-Stream	-	Minimum 384 kbps	-	-	Minimum 384 kbps
HDR Streaming	-	-	-	-	Minimum 580 kbps
Asymmetrical HDR	-	-	-	-	Yes
Built-in Bonding	-	-	-	-	Yes - up to two HDR channels
Text (SMS)	160 characters	160 characters	160 characters	-	-
LAN (Ethernet)	2 ports	4 ports	1 port	-	2 ports
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
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 latest L-band network with global coverage providing both voice and broadband data. It is the world's leading commercial mobile broadband satellite service. With three 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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