

# 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

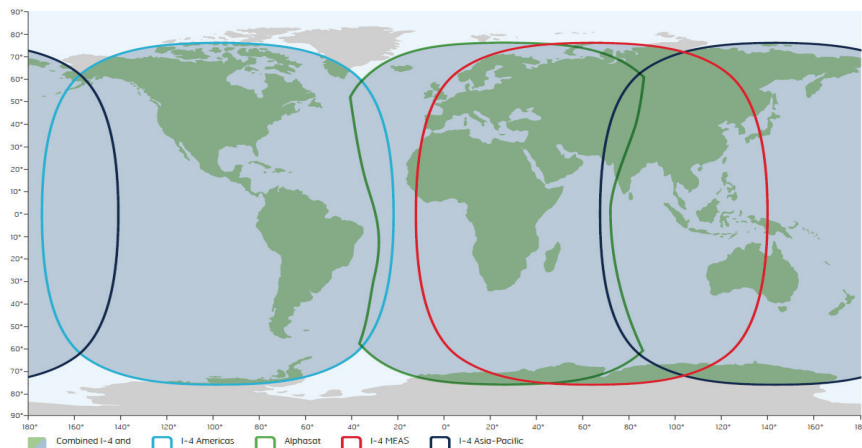
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	Vehicular BGAN terminals		Portable BGAN terminals			BGAN M2M
	EXPLORER 325	EXPLORER 727	EXPLORER 300	EXPLORER 510	EXPLORER 710	EXPLORER 540
Weight	5.8 kg	8.5 kg	1.4 kg	1.4 kg	3.5 kg	1.6 kg
Size (H x W x D)	Terminal 41 x 231 x 278 mm Antenna 128 x 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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