

BGAN terminals

A quick reference guide





• Inmarsat's Broadband Global Area Network service – BGAN – is accessible via a small, lightweight, satellite terminal, which is quick to set up and easy to use. And you can use the same device worldwide.

A range of terminals is available – land portable, vehicular and military systems – providing performance options to suit different operational needs. The service is accessed via Inmarsat LaunchPad, a software interface, which is standard across all terminals.

	Land portable					Military	
	Wideye [™] Sabre [™] I ¹ Voice and data, single-user device	EXPLORER® 300 Highly compact, robust device	EXPLORER®500 High bandwidth, highly portable device	HUGHES 9201 ¹ High performance, multi-user device	EXPLORER® 700 Multi-user device with extensive functionality	RF-7800B-DU024 Rugged, land portable high performance system	RF-7800B-VU104 Rugged, vehicular high performance system
Manufacturer	Addvalue Communications www.wideye.com.sg	Thrane & Thrane www.thrane.com	Thrane & Thrane www.thrane.com	Hughes Network Systems www.hughes.com	Thrane & Thrane www.thrane.com	Harris Corporation www.harris.com	Harris Corporation www.harris.com
Size	259 x 195mm (1.6kgs)	217 x 168mm (1.4kgs)	217 x 218mm (1.4kgs)	345 x 275mm (2.8kgs)	399 x 297mm (3.2kgs)	240 x 240mm (2.8kgs)	Integrated antenna and terminal: 510 x 200mm (12.6kgs)
Standard IP	Up to 240/384kbps (send/receive)	Up to 240/384kbps (send/receive)	Up to 448/464kbps (send/receive)	Up to 492kbps (send & receive)	Up to 492kbps (send & receive)	Up to 448 / 464kbps (send/receive)	Up to 492kbps (send & receive)
Streaming IP (send & receive)	32, 64kbps	32, 64kbps	32, 64, 128kbps	32, 64, 128, 176, 256kbps, BGAN X-Stream™	32, 64, 128, 176, 256kbps, BGAN X-Stream™	32, 64, 128kbps	32, 64, 128, 256kbps²
Voice	Via RJ-11 or Bluetooth handset / headset	Via RJ-11 or Bluetooth handset / headset	Via RJ-11 or Bluetooth handset or 3.1kHz audio / fax	Via RJ-45 ISDN handset, via ISDN TA with two RJ-11 ports for voice or 3.1kHz for audio / fax	Via RJ-11 (x2), Bluetooth handset or 3.1kHz audio / fax	Via military standard connector for normal voice, ISDN standard voice and 3.1 kHz for audio / fax	Via military standard connector for normal voice, ISDN standard voice and 3.1kHz for audio / fax
ISDN	N/A	N/A	64kbps via USB	64kbps via RJ-45	64kbps via RJ-45	64kbps via RJ-45	Data / voice: 64 kbps via RJ-45
Other data interfaces	Ethernet, Bluetooth	Ethernet, Bluetooth	Ethernet, USB, Bluetooth	Ethernet, USB, WLAN 802.11b	2 x Ethernet, USB, WLAN 802.11 a/b/g, Digital I/O, Bluetooth,	Ethernet, USB via military standard connector	Ethernet, USB via military standard connector
Ingress protection	IP 54	IP 54	IP 54	IP 55	IP 52 (terminal) IP 66 (antenna)	MIL-STD-810F IP 67	MIL-STD-810F IP 67

Vehicular HUGHES **EXPLORER® 325 GLOCOM GX11** EXPLORER® 727 **GLOCOM GX10 HUGHES 9450 HUGHES 9350** Compact, lightweight, Highly compact, Highly compact. Multi-user device with Multi-user device with Multi-user device with robust system high performance system high performance system extensive functionality wireless capability wireless capability Manufacturer Thrane & Thrane Thrane & Thrane **Hughes Network Systems Hughes Network Systems** Glocom Glocom www.hughes.com www.thrane.com www.hughes.com www.glocom-us.com www.thrane.com www.glocom-us.com Terminal 231 x 278mm (2.4kgs) Terminal 234 x 281mm (2.3kgs) Terminal 260 x 210mm (2.4kgs) Terminal 247 x 270mm (2.5kgs) Terminal 260 x 256mm (2.8kgs) Terminal 260 x 256mm (2.8kgs) Size Antenna 350 x 1200mm (4.5kgs) Antenna 252 x 119mm (2kgs) Antenna 276 x 150mm (1.86kgs) Antenna 477 x 160mm (6kgs) Antenna 477 x 153mm (5.5kgs) Antenna 477 x 153mm (5.5kgs) Standard IP Up to 448 / 464kbps Up to 448 / 464kbps Up to 407kbps Up to 492kbps Up to 492kbps Up to 492kbps (send / receive) (send / receive) (send & receive) (send & receive) (send & receive) (send & receive) Streaming IP 32, 64, 128kbps 32, 64, 128kbps 32, 64, 128kbps 32, 64, 128, 256kbps² 32, 64, 128, 256kbps² 32, 64, 128, 256kbps² (send & reveive) VoIP handset Voice Via RJ-45 ISDN handset, Via RJ-45 ISDN handset, 2 x 2-wire, RJ-11 phone / fax, Via RJ-45 ISDN handset, Via RJ-45 ISDN handset, 1 Independent RJ-11 port via ISDN TA with two RJ-11 via ISDN TA with two RJ-11 3.1kHz audio / fax via ISDN TA with two RJ-11 via ISDN TA with two RJ-11 (2-wire connector) ports for voice or 3.1kHz for audio / fax for audio / fax for audio / fax for audio / fax **ISDN** N/A 56 / 64kbps³ 56 / 64kbps³ 56 / 64kbps⁴ 56 / 64kbps⁴ 56 / 64kbps⁴ Other data 2 x Ethernet 4 x Ethernet, WLAN 802,11b Ethernet, WLAN 802,11b with 4 x Ethernet, USB Ethernet, WLAN 802,11b with Ethernet, WLAN 802.11b, USB Interfaces with extended standard extended standard connector. extended standard connector. **USB USB** connector Ingress protection IP 31 (terminal), IP 56 (antenna) IP 54 (terminal), IP 56 (antenna) IP 54 (terminal), IP 56 (antenna) IP 31 (terminal), IP 56 (antenna) IP 54 (terminal), IP 56 (antenna) IP 54 (terminal), IP 56 (antenna)

- 1 There are derivatives of these terminals available that have been specifically designed for machine-to-machine or bespoke applications.
- ² Inmarsat supports 256kbps streaming at elevations above 45 degrees. Below this elevation, the 128kbps streaming connection is recommended.
- ³ Depending on location. Inmarsat supports ISDN at elevations above 45 degrees.
- ⁴ Depending on location. Inmarsat supports ISDN at elevations above 20 degrees.

How to buy BGAN

BGAN is available through Inmarsat distribution partners and service providers in more than 190 countries. Visit our website to find the right partner for your organisation.

Spectra Group (UK) Ltd t: +44 (0)845 2600 444 f: +44 (0)845 2600 445 e: enquiries@spectra-group.co.uk w: www.spectra-group.co.uk

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