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

A range of terminals is available, providing performance options to suit different operational needs. The service is accessed via BGAN LaunchPad, a software interface, which is standard across all terminals.

HNS 9201

High performance, multi-user device

The HNS 9201 combines ultimate performance with an extremely rugged design. It provides access to the highest bandwidth available on the BGAN network and supports WLAN connectivity.

It is ideal for either single users using bandwidth-hungry applications, such as live video, or for small teams which need to set up a temporary office with high-speed connectivity to standard data applications.

Applications

- **Remote access –** high-speed access to your corporate network, enabling access to company and customer information.
- **Internet access –** access the Internet at speeds up to 492kbps.
- **Email –** send and receive email via the Internet or email applications.
- **Telephony –** make phone calls via a peripheral handset at the same time as accessing data applications.
- **Streaming –** select guaranteed quality of service up to 256kbps on demand, e.g. for video, audio.
- **File transfer –** send and receive large files.
- **Store and forward –** save and send files e.g. video.

Key benefits

Simultaneous voice and broadband data – access your data applications and make a phone call at the same time. For applications where quality of service is paramount, you can select streaming IP services up to 256kbps on demand. Also supports ISDN at 64kbps.

Global coverage – provides service anywhere within the BGAN coverage area.

Extremely robust – can be installed outside in extreme weather conditions for extended periods of time.

Highly flexible – easy to use in both portable and semi-fixed contexts. Multi-user support allows an entire team to share a single unit, enabling an instant broadband local area network. Supports both circuit-switched and IP packet data via USB, Ethernet, ISDN and WLAN interfaces.

Easy to use – simply plug in a phone or laptop, point to the satellite and connect.

Very portable – allows you to move it from site to site quickly and easily and be connected again within minutes.

Completely secure – connect seamlessly via your preferred VPN application.

HUGHES™

bgan inmarsat

Physical characteristics

Weight	2.8kgs (6.2lbs)
Dimensions	Length: 345mm (13.6")
	Width: 275mm (10.8")
	Depth: 50mm (2.0")
Interfaces	USB
	Ethernet
	WLAN access point (up to 100m)
	- 802.11b
	- Encryption (WEP)
	- DHCP
	ISDN 64kbps
	- 3.1kHz audio
	- RDI & UDI
User access	Activated via 3G compatible SIM card

User interfaces

PC	BGAN LaunchPad
On Terminal	Terminal control buttons and LEDs

Power

Power supply	AC or DC
External power	20 Volts DC, 110 – 240 Volts AC
Battery life	Transmit: 162Mb via Ethernet
	Receive: 864Mb via Ethernet
	Stand-by time: 36 hours
Battery type	Lithium-ion. Rechargeable
Input voltage	11.1 Volts DC

Tolerances

Ambient operating temperature

Powered from external DC	-25°C to +60°C
	(+13°F to +140°F)
Powered by battery only	-5°C to +55°C
	(+23°F to +131°F)
Charging temp	0°C to +40°C
	(+32°F to +104°F)
Operating humidity	Relative Humidity:
	95% non-condensing
	at +40°C (+104°F)
Water and dust (Ingress protection)	IP 55

Radio specifications

Maximum radiated power (EIRP)	+20dBW

Supported operating systems

Operating system	Windows: 2000, XP
	MAC: OS 10.1 or later
	Linux: Redhat 9 (no USB support)

Data capabilities

IP data

Standard IP	Background class of service
	Send: Up to 492kbps over
	a shared channel
	Receive: Up to 492kbps
	over a shared channel
Streaming IP	Send: 32, 64, 128, 256kbps
	Receive: 32, 64, 128, 256kbps
	Multiple IP streaming
	sessions simultaneously
ISDN data	UDI/RDI (64kbps)
SMS	160 characters

Voice capabilities

Voice	4kbps
	3.1kHz audio
Supplementary services	Voicemail
	Call forwarding
	Call barring
	Call waiting
	Call holding

Accessories

Cabling	USB, Ethernet, ISDN (all 3m)	S
Compatible voice handsets	- ASCOM Eurit 33 + deskphone	O
	- SwissVoice Eurit 25 + 35 deskphone	
	- Siemens Gigaset SX255 cordless DECT ISDN phone	
	- Nera F77	
	- Nera WorldSet	
AC/DC power supply	110/240 Volts	S
Power plug	2 pin US type plus adaptor kit for most other countries	S
Car charger	SMP, 10-32 VDC input, 20VDC output, 55W	O
Solar charger	- IDG Europe T-60	O
	- Powerline Suncatcher F0002	
Fix mount kit	Fixed installation kit includes:	O
	- terminal pole mounting kit	
	- 30m DC extension cable to be used with standard AC/DC adaptor	
	- Two 30m Ethernet/ISDN cables	
	- lightning protection strap	
Spare battery	Extended battery with 50% increased capacity	O

Ⓢ Standard Ⓞ Optional

How to buy

The HNS 9201 is available from distribution partners worldwide, covering Europe, Africa, the Middle East, Asia, North and South America. Visit www.hns.com to select the distribution partner nearest to you.

About HNS

Hughes Network Systems, LLC (HNS), is the world's leading provider of broadband satellite network solutions for businesses and consumers, with more than one million systems ordered or shipped to customers worldwide. Headquartered outside Washington, D.C. in Germantown, Maryland, USA, HNS maintains sales and support offices worldwide and employs approximately 1,500 people in engineering, operations, marketing, sales and support. It operates manufacturing facilities in Gaithersburg, Maryland. HNS is certified to the ISO-9001 standard. www.hns.com

For more details on this product, please contact Hughes Network Systems

www.inmarsat.com/bgan