HNS 9201

Terminal specification

HUGHES™   inmarsat

High performance, multi-user device

➲ 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, including vehicular systems, providing performance options to suit different operational needs. The service is accessed via BGAN LaunchPad, a software interface, which is standard across all terminals.

The HNS 9201 combines ultimate performance with an extremely rugged design. It is one of the highest bandwidth terminals in the range and supports WLAN connectivity, in addition to other standard data interfaces.

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 access standard data applications.

Applications

- **Remote access** – high-speed access to your corporate network, enabling access to company and customer information.

- **Internet** – 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 data rates on demand to suit your application. Choose BGAN X-Stream™ for speeds in excess of 384kbps for live video broadcasting. Also supports ISDN at 64kbps.

- **File transfer** – send and receive large files.

- **Store and forward** – save and send files eg. video.

Key benefits

Simultaneous voice and broadband data – access your data applications and make a phone call at the same time via a standard handset.

Global coverage – BGAN is accessible worldwide so wherever you are, connectivity is assured.

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 LAN. Supports both circuit-switched and IP packet data via USB, Ethernet, ISDN and WLAN interfaces.

Extremely robust – designed to be used in extremely challenging environmental conditions.

Easy to use – no technical expertise required, simply point to the satellite and connect, then plug in a phone or laptop.

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

Completely secure – connect seamlessly via your preferred VPN application.

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 On terminal	BGAN LaunchPad Audio and LED

Power

Power supply	AC or DC
External power	20 Volts DC, 110 – 240 Volts AC
Battery life Typical use	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 BGAN X-Stream™ Receive: 32, 64, 128, 256kbps, BGAN X-Stream™ 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 -SwissVoice Eurit 25 + 35 deskphone -Siemens Gigaset SX255 cordless DECT ISDN phone -ISDN handset	O
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 -Powerline Suncatcher F0002	O
Fixed mount kit	Fixed installation kit includes: -terminal pole mounting kit -30m DC extension cable to be used with standard AC/DC adaptor -Two 30m Ethernet/ISDN cables -lightning protection strap	O
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.
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