

Broadband Satellite IP Terminal and WLAN Access Point

HUGHES
NETWORK SYSTEMS



High Speed Data and Voice Worldwide via Inmarsat BGAN Service

The Hughes Network Systems' (HNS) 9201 Broadband Satellite IP Terminal and WLAN Access Point is your gateway to global communications. The 9201 allows you to simultaneously send and receive IP packet and circuit switched data via USB, Ethernet, ISDN and WLAN interfaces over the Inmarsat BGAN satellite network. Main features are:

- 492 kbps IP data (transmit & receive)
- ISDN voice (4kbps)
- ISDN data (64kbps)
- Allows simultaneous use of all interfaces (Ethernet, USB, ISDN and WLAN)
- WLAN access point
- Multi-user capability (up to 11 simultaneous sessions)
- Selectable Quality of Service (32k, 64k, 128k or 256k)

Easy to Use in Semi-Fixed and Portable Environments

The rugged design of the 9201 allows the terminal to be installed outside in extreme weather conditions for extended periods of time. Multiple user support allows your entire team to share a single 9201 simultaneously, providing the site with a broadband local area network. The terminal's small size and weight allows you to easily move it from site to site and be connected again within minutes. When you're at a remote site, sending and receiving the information you need is critical. The Inmarsat BGAN service, together with the 9201, offers a true alternative network that enables corporate teams to communicate their critical information—anywhere, anytime.

Other highlights

- Full IP compatibility—email, file transfer (FTP), VPN, browsing, etc.
- Compatible with the following VPNs: Cisco—VPN Client V1 or V2.6.3, Nortel—Contivity VPN Client V04_15.06, Netscreen—Remote Client 8.1, Checkpoint—V4.1, and SonicWall.
- Cost effective “always-on” access—only charged for data sent & received
- Easy to install and connects in minutes
- UMTS IP based services
- ISDN Supplementary Services
- FCC, CE, and GMPCS certified

Designed and developed by Hughes Network Systems, LLC (HNS), a world leader in satellite systems and services for over 30 years with one million satellite terminals ordered or shipped worldwide.



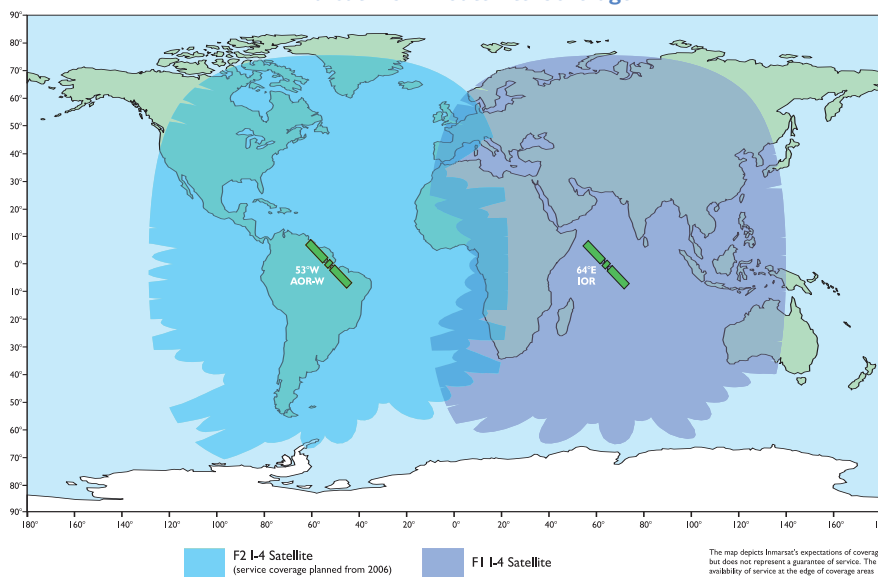
Front view, close-up



Side view



Inmarsat BGAN Satellite Coverage



Features and Functions

- SIM card
- LED and audio pointing aids
- Interfaces:
 - Ethernet
 - USB
 - WLAN (IEEE 802.11)
 - ISDN (for voice and data)

Physical and Environmental

- Weight: 2.5 kg (terminal with battery)
- Dimensions: 27.5 cm x 34.5 cm x 5.0 cm
- Battery Life*:
 - Transmit: 162 Mb
 - Receive: 864 Mb
 - 36 hours standby time
- Humidity: 95% RH at +40°C
- Temperature:
 - 25°C to +60°C operating
 - 25°C to +60°C storage (w/ battery)
- Water & Dust: IP-55 standard
- Wind:
 - Operational 25 mph (40km/h)
 - Survival 100 mph (160 km/h)
- Ice: 25 mm non-operational

Package

- Broadband Satellite IP Terminal and WLAN Access Point
- Rechargeable lithium ion battery pack
- AC mains power adapter (110 - 240 VAC)
- Travel adapter
- USB cable
- Ethernet cable
- ISDN cable
- User guide
- Installation CD

Optional Accessories

- Standard lithium ion battery pack
- Extended lithium ion battery pack
- AC mains power adapter (110 - 240 VAC) output
- Fixed mount kit
- Vehicular power adapter (10-32 VDC) output

Compatible Accessories

- ISDN phones
 - ASCOM Eurit 33 plus deskphone
 - SwissVoice Eurit 25 & 35 deskphone
 - Nera ISDN Handset
 - Siemens Gigaset SX255 cordless DECT ISDN basestation & S1 handset
 - Any RJ-11 analog handset with any ISDN (2-4 wire) terminal adapter (TA)
 - Most VoIP handsets
- Solar Chargers
 - IDG Europe T-60 (3 panel), Max. 60W, 3.3A
 - Powerline Suncatcher F0002 (2 panel) max. 25.1W

Supported Operating Systems

- Windows 2000/ME/XP
- Mac OS X

* Actual performance will vary based upon a wide range of factors and actual usage.