



# BGAN Terminals

by Hughes Network Systems

Free: 877-GEO-CALL Office: 615-889-8833  
Fax: 615-902-0028 [www.OutfitterSatellite.com](http://www.OutfitterSatellite.com)  
2911 Elm Hill Pike • Nashville, TN 37214 USA

## HNS-9201 Class I BGAN

The **Broadband Global Area Network (BGAN)** developed by Inmarsat gives you mobile voice and broadband internet access using only a small portable terminal. Other services include fax, text messaging, ISDN and streaming data. Internet speeds reach **492,000 bps**. Voice calls can be made or received even while you are on the internet.

At only 5.5 lbs, the **HNS-9201** by *Hughes Network Systems* is the smallest and lightest of the full performance Class I BGAN terminals. It is more rugged than other BGAN models. An optional mounting kit allows year-round external mounting at a permanent location up to 30 meters from your inside working location.

- **492 kbps** ↓ ↑ **internet access**
- **256 kbps** ↓ ↑ **streaming**
- **Built-in router**
- **Ethernet Port**
- **ISDN Port** for 64 kbps data / 3.1 KHz Audio
- **USB Port**
- **WLAN 802.11b WiFi**
- **Optional HNS Adapter for voice and fax**



Macintosh iBook  
shown for scale only



### Specifications:

- Expected Battery Life: 36 hours standby
- MB in BIP mode (typical performance)
- Dimensions: 10.8 x 13.6 x 2.0 in
- Weight: 5.5 lb (2.5 kg)
- Input Power of AC adapter: 100-240VAC 50/60 Hz
- Ingress protection: IP 55
- Wind : survival to 100 mph (160 km/h)
- Operating Temperature: -13°F to 140°F
- Humidity: 95% RH at 40°C



### Optional Roof or Wall Mounting Kit

Includes 30-m power, Ethernet, and ISDN cable sets with necessary bolts/nuts, level, and a compass. High winds will degrade communications. Survival rated for up to 100 mph winds.

**Other optional accessories include** a watertight impact case voice handset (with 2m cable), adapter for analog phone and fax equipment, DC power adapter for 10 to 32 VDC, softcase, external battery pack, solar charger, Tandberg Videoconferencing unit, and SkyFile software.



# Vehicular HNS-9350 BGAN

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The HNS-9350 is a versatile vehicular BGAN supporting multiple users over multiple interfaces and is based on the widely used Inmarsat satellite technology.

The HNS-9350 low-profile antenna mounts on the vehicle roof and automatically acquires and stays locked onto the satellite as the vehicle moves.

## Features:

- Tracking antenna
- Internet up to 492 Kbps ↓ ↑
- Selectable Quality of Service: 32/64/128/256 Kbps
- Ethernet, USB, ISDN, WLAN, phone (RJ-11), fax (RJ-11)
- Up to 11 simultaneous users over any combination of interfaces
- WLAN access point

## Specifications:





- Services: Voice; Fax; Standard IP; Streaming IP
- Antenna Size: 19.1 in. (Dia.) x 6.1 in. (high); 477 mm (Dia.) x 153 mm (high)
- Antenna Weight: 12.1 lbs (5.5 Kg)
- Indoor Unit Size: 10.4 in. x 8.4 in. x 1.76 in. (260 mm x 210 mm x 44 mm)
- Indoor Unit Weight: 5.3 lbs (2.4 Kg)
- Interfaces: Ethernet, USB, ISDN, WLAN, phone (RJ-11), fax (RJ-11)
- Power: 12V - 24V DC; Idle 20W; Maximum 100 Watts when transmitting

## HNS-9350 Vehicular BGAN



## INSIDE UNIT



	Portable Class I BGAN		Land Vehicle BGAN	
	HNS-9201 Class I BGAN	EXPLORER™ 700 Class I BGAN	HNS-9350 Vehicular BGAN	EXPLORER™ 727 Vehicular BGAN
<b>MAX RATE OF STANDARD IP</b>	Class I 492 kbps ↑↓	Class I 492 kbps ↑↓	Class I 492 kbps ↑↓	432 kbps
<b>MAX RATE OF STREAMING IP</b>	256 kbps	256 kbps	256 kbps	256 kbps
<b>ISDN DATA 64 kbps (RJ-45)</b>	✓	✓ Two RJ-45 ports but only supports one ISDN channel	✓	✓ ISDN requires elevation angle above 15°
<b>STANDARD PHONE PORT (RJ-11)</b>	✓ optional adapter	✓ 2 RJ-11 but only one voice channel	✓	✓ 2 RJ-11 but only one voice channel. Cradled handset with 16.4 ft coiled cable.
<b>PREMIUM VOICE</b>	✓	✓	✓	✓
<b>BLUETOOTH VOICE &amp; DATA</b>	NO	✓	NO	NO
<b>WLAN</b>	✓ 802.11b	✓ 802.11a/b/g	✓	NO
<b>ETHERNET RJ-45 PORT</b>	✓	✓ 2 ports	✓	✓ 4 ports
<b>USB Port</b>	✓	✓	✓	NO
<b>Digital I/O Port</b>	NO	✓	NO	✓
<b>FAX PORT</b>	✓ optional adapter	✓	✓	✓
<b>DISCUSSION</b>	<p><b>Smallest and overall most rugged Class I</b></p> <p><b>Optional kit for external mounting</b></p>  <p>Ingress Rating: IP55</p>	<p>Removable Active Antenna (up to 196 ft)</p>  <p>Ingress Rating: IP52 (transceiver) IP66 (antenna)</p>	<p>Uses 12/24 VDC power.</p> <p>Up to 11 simultaneous user sessions.</p>  <p>Ingress Rating: IP56 (rating for antenna only)</p>	<p>Optional magnetic mount antenna.</p> <p>Heavy duty 10-32 VDC power input plug with remote on/off.</p>  <p>Ingress Rating: IP56 (rating for antenna only)</p>
<b>SIZE &amp; WEIGHT</b>	10.8 x 13.6" 6.2 lb	11.4 x 15.7" 7.1 lb	Antenna: 12.1 lb 6.1" High 19.1" Dia	Antenna: 13.2 lb 6.3" High 18.76" Dia


INTERNAL USE ONLY: REP: \_\_\_\_\_

BP: \_\_\_\_\_ Order #: \_\_\_\_\_

**HARDWARE ORDER:** (03182008)

QTY	DESCRIPTION OF ITEMS BEING PURCHASED:	PART #	UNIT PRICE
	<b>HNS-9201 Standard Kit</b> (new, 12-mo warranty) Includes terminal, battery, AC charger, travel adapters, USB cable, ISDN cable, Ethernet cable, manual & CD. <input type="checkbox"/> Add \$100 to increase warranty to 24 months	6713100	<b>\$2295</b> while current inventories last
	<b>Used HNS-9201 Standard Kit</b> (used, 6-mo warranty)	6713100-R-K02 limited supply	<b>\$1495</b>
	HNS Terminal Adapter with Corded Phone Handset Port 1 used for conventional analog phones. (Powered by HNS-9201) Port 2 used for 3.1 kHz audio for modem and G3 fax applications	6714014 and 6614010	\$299
	Fixed Mounting Kit for HNS-9201 (external antenna applications)	6713104	\$240
	Pelican 1550 Watertight Transport Case with custom foam Color: Black Includes foam insert for HNS-9201/ typical accessories; 20.75" x17.25"x8.63"	5017030 with foam	\$212
	Padded SoftCase with separate detachable softcase for accessories	5040002 3199006	\$45
	Extended Life Li-Ion Battery for HNS-9201	6713103X	\$195
	Spare AC Power Adapter for HNS-9201	6713101	\$74
	International Plug Kit for AC Power Adapter	6713109	\$22
	DC Charger for HNS-9201	6713102	\$85
	<b>EXPLORER™ 700 Standard Kit</b> (new, 12-mo warranty) Includes Class I BGAN terminal, Li-Ion battery, AC/DC power supply, Ethernet/ISDN Cable, USB cable and Manual & Drivers on CD-ROM.	6711007	<b>\$4895</b> while current inventories last
	Pelican 1550 Watertight Impact Case for EXPLORER™ 700 Color: Black	5017030	\$212
	Soft Bag for EXPLORER™ 700		\$195
	Bluetooth Cordless Handset and AC desk charger	6799001	\$399
	Li-Ion Battery for EXPLORER™ 700		\$300
	10-meter antenna cable for the EXPLORER™ 700	custom order	\$110
	30-meter antenna cable for the EXPLORER™ 700	custom order	\$285
	60-meter antenna cable for the EXPLORER™ 700	custom order	\$1065
	Pole Mount Kit for EXPLORER™ 700	custom order	\$350
	Car charger for EXPLORER™ 300/500/700	6711002	\$75
	AC "Wall" Charger (110-240 VAC) for EXPLORER™ 700		\$140
	<b>HNS-9350 Vehicular BGAN System</b> (new, 12-mo warranty)	custom order	please call
	<b>EXPLORER™ 727 Vehicular BGAN Terminal</b> (new, 12-mo warranty)	custom order	<b>\$19,995</b>
	<b>Other:</b>		

By signing below, Customer is purchasing the selected items from Outfitter Satellite, Inc. and agrees that the terms and conditions and payment method described in the separately executed CUSTOMER ACCOUNT SETUP AGREEMENT apply. Service contract is required for phone purchases. Used phones have 6-month warranty excluding battery / cable components.

 **CUSTOMER SIGNATURE:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

If no other instructions are specified, the default shipping method and address on file for your account will be used.

FedEx Ground  FedEx 2-Day  FedEx 3-Day  FedEx Priority Overnight  FedEx Saturday Delivery

SPECIAL SHIPPING INSTRUCTIONS: \_\_\_\_\_