



BGAN Terminals by Thrane & Thrane

Toll Free: 877-GEO-CALL Office: 615-889-8833
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2911 Elm Hill Pike • Nashville, TN 37214 USA

Broadband Global Area Network (BGAN):

BGAN uses geosynchronous satellites to provide mobile voice, broadband internet access, streaming IP data, and ISDN with nearly global coverage. Voice calls can be made while you are on the internet at speeds up to 492 kbps↓↑. Outfitter Satellite offers a variety of video conferencing and secure VPN services for use over BGAN.

Outfitter Satellite offers flexible prepaid and pay-as-you-go postpaid plans. Packages with shared corporate bundles (SCAP) are available for large organizations with heavy usage requirements spread out over a large fleet.

EXPLORER™ 700:

Designed for maximum feature depth and robustness, this terminal is a favorite of media and government users. The EXPLORER™ 700 has two Ethernet (RJ-45) ports and 802.11 a/b/g WLAN access. If that isn't enough, it offers USB and class I BlueTooth data connections. It has an IP 66 rated all-weather active antenna that can be mounted outside permanently and remoted from the transceiver by up to 70 meters. Two RJ-11 ports let you connect a analog phone (4 kbps voice) and a fax/modem device (ISDN 3.1 KHz audio) simultaneously to the terminal. An optional BlueTooth handset lets you talk wirelessly up to 100 meters from the terminal. You can select streaming data rates from 32 kbps to 256 kbps for applications that need assured Quality of Service such as VoIP, video, or VPN. Standard IP data reaches up to 492 kbps↓↑.

OPTIONS: cordless Bluetooth voice handset, corded voice handset, car charger, watertight impact case, external battery pack, solar charging system, SkyFile email/fax/video software, Vocality VoIP unit, SkyPipe data encryption unit/service, 10 and 30 meter antenna cables

EXPLORER™ 727 (Vehicular BGAN):

Thrane & Thrane has a strong legacy of providing reliable land mobile terminals. This system gives your land vehicle access to Inmarsat's BGAN-X services even while in motion. Though its antenna is presented in desert tan, it is designed to stand up to cold, hot, or wet environments. Components include a fully integrated electronic tracking antenna, transceiver, IP handset with cradle, 5-m Ethernet cable, mounting kit, 12/24 VDC power cable, manual, and CD.



EXPLORER™ 700

shown with optional BlueTooth handset

- Standard data up to 492 kbps↓↑
- Streaming up to 256 kbps & Xstream
- Optional BlueTooth handset
- Optional analog phone using RJ-11 Port
- Weight with battery: 7 lb (3.2 kg)
- Dimensions: 11.3"x15.6"x2"
- 2 RJ-11 Ports: 4 kbps voice, 3.1 KHz Audio
- 2 ISDN ports (voice, 64 kbps, 3.1 kHz audio)
- Data Access: Ethernet (Two RJ-45), USB 1.1, BlueTooth, WLAN (802.11a/b/g, 328 ft max)
- Removable Active Antenna: up to 229ft (70 m)
- Li-Ion Battery Performance:
 - 36 hrs of standby operation RT
 - 3.5 hrs download at 492 kbps (756 MB) RT
 - 1.5 hours upload at 492 kbps (324 MB) RT
 - Recharge time under 2.5 hours at RT
- AC Power: 100-240VAC 47-63Hz
- DC Power Requirements: 10-32 VDC
18 Watt during transmit; 60 W max during charging
- Ingress protection: Transceiver: IP52 Ant.: IP66
- Operating Temp: -13 to 131°F (-25 to +55°C)
- Humidity: 95% non-cond. humidity 40°C



EXPLORER 727 Vehicular BGAN

Both permanent mount and magnetic mount options are available.



BGAN Terminals

by Hughes Network Systems

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HNS-9201 Portable BGAN

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 Roof Mounting Kit: with 30-m cable set for power, Ethernet, and ISDN. Also includes bolts, nuts, level, and a compass. High winds will degrade communications. Survival rated up to 100 mph winds.



HNS-9350 Vehicular BGAN

The HNS-9350 is a vehicular BGAN with a low-profile antenna that mounts on the vehicle roof and automatically acquires and stays locked onto the satellite as the vehicle moves.

- Tracking antenna
- Internet up to 492 Kbps ↓ ↑
- Streaming from 32 to 256 Kbps
- Ethernet, USB, ISDN, WLAN, phone (RJ-11), fax (RJ-11)
- Up to 11 simultaneous users over any combination of interfaces

Macintosh iBook shown for scale only







HNS-9201 Specifications:

- Expected Battery Life: 36 hours standby
- 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



HNS-9350 Specifications:

- Antenna Size: 19.1 in. (Dia.) x 6.1 in. (high)
- Antenna Weight: 12.1 lbs (5.5 Kg)
- Indoor Unit Size: 10.4 in. x 8.4 in. x 1.76 in
- 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

	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
MAX RATE OF STANDARD IP	Class I 492 kbps ↑↓	Class I 492 kbps ↑↓	Class I 492 kbps ↑↓	432 kbps
MAX RATE OF STREAMING IP	256 kbps	256 kbps	256 kbps	256 kbps
ISDN DATA 64 kbps (RJ-45)	✓	✓ Two RJ-45 ports but only supports one ISDN channel	✓	✓ ISDN requires elevation angle above 15°
STANDARD PHONE PORT (RJ-11)	✓ 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.
PREMIUM VOICE	✓	✓	✓	✓
BLUETOOTH VOICE & DATA	NO	✓	NO	NO
WLAN	✓ 802.11b	✓ 802.11a/b/g	✓	NO
ETHERNET RJ-45 PORT	✓	✓ 2 ports	✓	✓ 4 ports
USB Port	✓	✓	✓	NO
Digital I/O Port	NO	✓	NO	✓
FAX PORT	✓ optional adapter	✓	✓	✓
DISCUSSION	<p>Smallest and overall most rugged Class I</p> <p>Optional kit for external mounting</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>
SIZE & WEIGHT	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

HARDWARE ORDER: (03182008)

INTERNAL USE ONLY: REP: _____
BP: _____ Order #: _____

QTY	DESCRIPTION OF ITEMS BEING PURCHASED:	PART #	UNIT PRICE
	HNS-9201 Standard Kit (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 HNS-9201 warranty to 24 months	6713100	\$2895 while current inventories last
	Used HNS-9201 Rental-To-Go Kit (6-mo warranty) Includes terminal, battery, AC charger, travel adapters, USB cable, ISDN cable, Ethernet cable, manual & CD plus the following additional components: <ul style="list-style-type: none"> • Pelican Case with custom foam insert • HNS Terminal Adapter and voice handset • DC Car Charger <input type="checkbox"/> Add \$50 to increase HNS-9201 warranty to 12 months	6713100-R-K02	\$2095 while current inventories last
	Pelican 1550 with custom foam insert (black) Includes custom foam inserts for HNS-9201 Standard kit and terminal adapter	5017030 Pelican	\$169
	Softcase Set for HNS-9201 Standard Kit Custom padded sleeve for terminal and separate padded softcase for accessories (black, with carry straps)		\$69
	HNS Terminal Adapter with Voice Handset	6714014, 6614010	\$299
	Fixed Mounting Kit for HNS-9201 (external antenna applications)	6713104	\$429
	Extended Life Li-Ion Battery for HNS-9201	6713103X	\$199
	DC "Car" Charger for HNS-9201	6713102	\$149
	Spare AC Power Adapter for HNS-9201	6713101	\$99
	International Plug Kit for AC Power Adapter	6713109	\$22
	Hughes External Antenna		\$1199
	EXPLORER™ 700 Standard Kit (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. <input type="checkbox"/> Add \$330 Bluetooth Handset and desktop charger <input type="checkbox"/> Add \$149 for DC "Car" Charger <input type="checkbox"/> Add \$119 Pelican Case (black) with foam	6711007 6799001 BlueTooth 6713102 DC charger 5017030 Pelican	please call
	Soft Bag by Thrane & Thrane for EXPLORER™ 700		\$195
	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
	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		\$99
LAND VEHICLE BGAN SYSTEMS			
	EXPLORER™ 727 Vehicular BGAN System (new, 12-mo warranty) <input type="checkbox"/> Add \$449 for Magnetic-Mount Solution	custom order	\$16,995 while current inventories last
	USED EXPLORER™ 727 Vehicular BGAN System (6-mo warranty) <input type="checkbox"/> Add \$449 for Magnetic-Mount Solution	custom order	\$11,995 while current inventories last
	Other:		

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 terminal purchase. 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: _____