

# Satellite > Voice & Data Communications



## BGAN



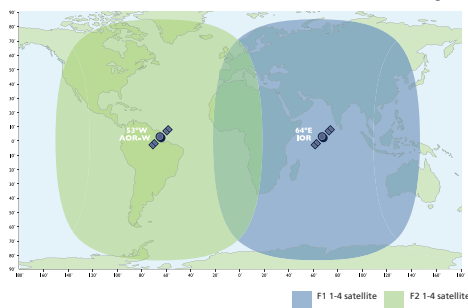
Using a lightweight satellite terminal, BGAN enables users to access e-mail, corporate networks and the internet, transfer files and make telephone calls, from almost anywhere - including where traditional technologies don't reach. BGAN operates using a new generation of the most advanced communications satellites ever launched. These two Inmarsat I-4 satellites have 16 times the power and capacity of the current Inmarsat I-3 satellite constellation, providing significantly enhanced performance and capability for users.



### Coverage

### BGAN Terminal Specifications

Inmarsat Broadband Global Area Network (BGAN) Coverage



#### BGAN applications

- Media
- Government and Military
- Medical & Disaster Relief
- Finance
- Education

Nera		HNS	
Device Name	WorldPro 1000	Device Name	HNS 9201
Size	200 x 150 mm	Size	365 x 275 mm
Weight	<1 kg	Weight	2.2 kg
IP Data	Up to 384 kbps forward/ 240 kbps return	IP Data	Up to 492 kbps forward/ 492 kbps return
IP QoS	32 kbps + 64 kbps	IP QoS	32, 64, 128, 256 kbps
CS Data	N/A	CS Data	ISDN - 1 x 64 kbps
Voice	RJ45 or Bluetooth handset	Voice	ISDN handset
Interfaces	USB, Bluetooth	Interfaces	USB, Ethernet, WiFi hub 802.11b (multi-user)
Ingress Protection	44	Ingress Protection	55

#### 24/7 Customer Support

Infosat provides a single point-of-contact for all of our initial and ongoing service requirements. Our skilled customer service professionals are on call around the clock to assist you with any aspect of your BGAN terminal, including installation, hardware, software, networking, and billing issues.



Inmarsat is the original mobile global satellite phone system. For 30 years it has set the standard for global coverage in data, voice, fax, video and LAN communication systems. The transportable, marine, aeronautical, and mobile configurations of this service are used throughout the world in highly demanding commercial and military applications.



### Fleet 55

Fleet 55 uses a medium-sized antenna for smaller vessels, and offers the 64 kbps Mobile ISDN and MPDS capabilities in the Inmarsat spotbeam areas, plus global voice. Smaller vessels, like trawlers and yachts, are not required to meet IMO regulations, so Fleet F55 and F33 do not include a GMDSS component.

**Applications:** data transfer, Internet, LAN & private network access, e-mail, fax, instant messaging, SMS, voice, crew calling, encryption, video-conferencing, store-and-forward video, remote monitoring, chart and weather updates, telemedicine.

### About Us

Infosat Communications, Inc. is one of North America's largest full line satellite telecommunications system integrator and service provider offering a wide range of fixed, mobile and transportable wireless communication systems where satellite facilities are a key component.

Complementing the core satellite group are technology lines including our Security Division specializing in leading edge, IP based CCTV (Closed Circuit Television) security, access control and commercial audiovisual technologies.

As an Infosat client you are backed by one of the world's most recognized family of telecommunications companies including our parent, Telesat Canada.

#### OUR CORE PRODUCTS & SERVICES INCLUDE:

##### Satellite Communications

- Data solutions including commercial broadband, high speed internet, hand-held low speed, & packet data
- Voice solutions such as toll quality VoIP and hand-held satellite phones

##### Security & Audio Visual Systems

- CCTV & access control
- Integrated boardroom multi-media

##### Complete Rural Communications & Information Network s

- Integrated office IT functionality and VoIP communications extensions to remote branches
- Deployable Disaster Command & Control

If you need to get your people and enterprise connected *simply* anywhere, contact us and explore our cost effective satellite solutions.

### Inmarsat R-BGAN



Inmarsat's R-BGAN is an always-on, plug-and-play data link via a 144 kbps shared channel in up to 99 countries across Europe, the Middle East, north and central Africa, and much of Asia.

**Applications:** Internet access, e-mail, LANs and private networks, store-and-forward video, data transfer.

### Nera M4 WorldCommunicator



Nera WorldCommunicator gives you truly portable ISDN functionality. Applications for data, voice, text, fax, Internet, multimedia, video and LAN communications become easily accessible.

	General	Data			Voice	Fax
Inmarsat	Type	Coverage	Speed (Kbps) (Down /Up)	Interface		
BGAN	Portable	Near Global	492 kbps	Multiple	Yes	G3/G4
R-BGAN	Portable	Near Global	144 kbps	Multiple	n/a	n/a
M4	Portable	Global	64 kbps	ISDN	Yes	G3
M4 Packet	Portable	Global	64 kbps	ISDN	Yes	G3
Fleet 33/55/77	Marine	Global	2.4 - 64 kbps	Multiple	Yes	G3/G4