



BGAN from Stratos



Portable high-speed broadband communications



BEYOND THE HORIZON®



Using a lightweight satellite terminal, about the size of a laptop PC, 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 three Inmarsat I-4 satellites have 16 times the power and capacity of the previous Inmarsat I-3 satellite constellation, providing significantly enhanced performance and capability for users.

BGAN Benefits and Key Features:

- *High-speed wireless IP data and circuit-switched network*
- *A range of small, light-weight terminals*
- *Shared capacity IP data rates up to 492 kbps*
- *Guaranteed throughput streaming IP data rates up to 256 kbps*
- *Familiar GAN-standard 64 kbps ISDN and toll-quality circuit-switched voice*
- *Simultaneous voice calls and data traffic*
- *Support for supplementary services, e.g., call hold, call waiting, call forwarding, SMS and voicemail*
- *Optional external antenna (on some terminals)*
- *Multi-user, remote-office capabilities*
- *Provides support for legacy applications and a platform for IP based solutions*

BGAN Service Benefits:

BGAN offers significantly expanded bandwidth and capabilities, as compared to current-generation mobile satellite services. Among the unique benefits that BGAN offers are:

Higher Speed Data: Leveraging the increased power of Inmarsat's I-4 satellites, BGAN offers high-speed data connections at speeds up to 492 kbps, significantly faster than any other current generation mobile satellite service.

Streaming Data: This QoS IP data option, available on all BGAN terminals, provides a guaranteed data throughput up to 256 kbps. This is a significant benefit for customers who need guaranteed, uninterrupted throughput, without contended service degradation.

Simultaneous Voice Service: BGAN offers a low-speed 4.8 kbps voice service, providing a toll-quality connection and bringing customers the added benefit of voice in the field. In addition, both voice and data services can operate simultaneously on a single BGAN terminal, making the system flexible to a degree that is unprecedented in mobile satellite communications.

BGAN Launch Pad: The BGAN Launch Pad is a revolution in satellite software usability, providing a standard user interface across all BGAN terminals. The Launch Pad enables users to control their connection type, access utilities, and provides quick setup instructions for the terminal, including step-by-step pointing information.

BGAN Applications:

BGAN is attractive to customers across a wide variety of markets who require on-the-go remote voice and high-speed data communications in areas outside the reach of traditional networks, such as:

Media: Journalists need to travel light but they also need the capability to break big stories from remote locations. BGAN provides the answer. With streaming data capability up to 256 kbps, be the first with breaking news, and keep one step ahead of the competition.

Government and Military: Government entities and NGOs require the ability to send and receive vital information from the field, especially when they are operating in dangerous and highly volatile locations. In cases where information flow is critical, this is not just a matter of efficiency or convenience, it can mean the difference between success or disaster. Reliable access to e-mail, the Internet and the corporate LAN is critical when time is of the essence.

Oil and Energy: The first step in undertaking a large-scale exploration program or other project is the initial onsite evaluation. With BGAN, basic data can be sent and received between the remote site and headquarters, analyzed and evaluated, saving both time and great expense. BGAN also offers a fixed-site antenna option as well as SCADA functionality – perfect for longer term projects.



Remote Office: For remote users in the field in industries such as banking and finance, mining, construction and telemedicine, BGAN offers an excellent solution. Information can be quickly and efficiently collected and transmitted from the field by technicians to head office where key experts can undertake any required analysis. Portability and ease of setup make BGAN perfect for these in-field office solutions.

The Stratos Advantage

Stratos Dashboard™ – No more surprise bills. To monitor and control costs, our extensive online BGAN customer care Dashboard provides real-time information on the amount of traffic used for voice and data, and the associated costs.

Credit Watch Facilities – Customers can monitor, manage and limit the consumption per SIM as well as per groups of SIMs.

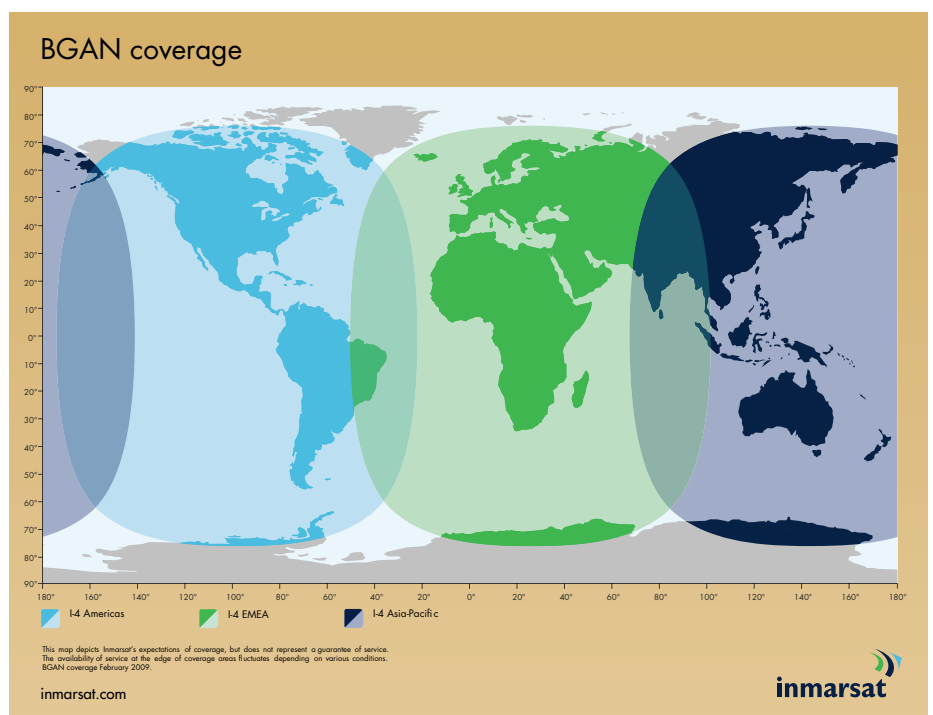
Instant Online Self Provisioning –

BGAN Dashboard also gives customers the means to review their contracts and installed base, as well as the ability to instantly activate, de-activate and change service configurations.

Stratos Trench™ (Customer Managed Firewall)

– Trench is a personal firewall between the internet and the BGAN network. (Web) traffic and applications can be authorized or blocked via a user-friendly online interface.

BusinessAccess – Corporate customers can now easily extend their LAN networks to BGAN connected laptops using our cost saving and secure BusinessAccess service.



GuaranteedAccess – Our infrastructure extends BGAN's guaranteed bandwidth to the terrestrial infrastructure, so bandwidth is really guaranteed all the way to the customer's doorstep. Customers using GuaranteedAccess service will always get the capacity they pay for.

IP Access – Our value added infrastructure allows customers to benefit from all possible types of Internet access via public, private, static and dynamic IP addresses.




StratosNexus and Network Connectivity – StratosNexus is an extensive terrestrial multi-service core network that seamlessly integrates traditional and IP-based transmission systems in one platform.

Stratos hosts Inmarsat's primary BGAN Satellite Access Station at our earth station. Stratos also provides BGAN voice Interconnect services to carriers wishing to deliver BGAN services from their networks to Inmarsat destinations.



24x7 Customer Support

Stratos 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.

BGAN Terminal Specifications:

	Addvalue		HNS
Device Name	Sabre 1 	Sabre Ranger* 	HNS 9201 
Size	259 x 195 mm	305 x 186 mm	345 x 275 mm
Weight	1.65 kg	1.5 kg	2.8 kg
Standard IP	Up to 384 kbps receive/ 240 kbps send	Up to 384 kbps receive/ 240 kbps send	Up to 492 kbps receive/ 492 kbps send
Streaming IP (Send and Receive)	32, 64 kbps	32, 64 kbps	32, 64, 128, 256 kbps
ISDN	N/A	N/A	ISDN – 1 x 64 kbps
Voice	RJ11 or Bluetooth	RJ11 or Bluetooth	ISDN handset
Interfaces	Bluetooth, Ethernet	Bluetooth, Ethernet	USB, Ethernet, WLAN 802.11b
Ingress Protection	IP54	IP65	IP55

*Exclusive to Stratos

Thrane & Thrane			
Device Name	Explorer 300 	Explorer 500 	Explorer 700 
Size	217 x 168 mm	217 x 217 mm	290 x 399 mm
Weight	1.4 kg	<1.5 kg	3.2 kg
Standard IP	Up to 384 kbps receive/ 240 kbps send	Up to 464 kbps receive/ 448 kbps send	Up to 492 kbps receive/ 492 kbps send
Streaming IP (Send and Receive)	32, 64 kbps	32, 64, 128 kbps	32, 64, 128, 256 kbps
ISDN	N/A	Via USB 1 x 64 kbps	ISDN – 64 kbps - 2 ports
Voice	RJ11 or Bluetooth	RJ11 or Bluetooth handset; 3.1 kHz audio	RJ11 (x2), Bluetooth handset; 3.1 kHz audio
Interfaces	Bluetooth, Ethernet	USB, Bluetooth, Ethernet	USB, Bluetooth, Ethernet (x2), WLAN 802.11 b/g, Digital I/O
Ingress Protection	IP54	IP54	IP52 (transceiver), IP66 (antenna)

About Stratos

Stratos is the world's trusted leader for vital communications. With more than a century of service, Stratos offers the most powerful and extensive portfolio of remote communications solutions including mobile and fixed satellite and microwave services. More than 20,000 customers use Stratos products and industry-leading value-added services to optimize communications performance. Stratos serves U.S. and international government, military, first responder, NGO, oil and gas, industrial, maritime, aeronautical, enterprise, and media users on seven continents and across the world's oceans. For more information visit www.stratosglobal.com.

For more information please contact Stratos:

Toll Free (North America): 1 800 563 2255

Worldwide: +1 709 748 4226

TTY: +1 709 748 4884

Fax (Worldwide): +1 709 748 4320

E-mail: info@stratosglobal.com

Website: www.stratosglobal.com



Locations **Australia** Darwin, Morayfield, Perth, Sydney **Brazil** Niterói **Canada** Ottawa ON, St. John's NL **Germany** Hameln **Hong Kong** Hong Kong **India** Mumbai **Italy** La Spezia **Japan** Tokyo **Kenya** Nairobi **The Netherlands** Burum, The Hague **New Zealand** Auckland **Norway** Lysaker **Russia** Moscow **Singapore** Singapore **South Africa** Cape Town **Spain** Madrid **UAE** Dubai **United Kingdom** London, Aberdeen **United States** Bethesda MD, Englewood CO, Houston TX, Lafayette LA, New Orleans LA, New York NY, Plantation FL, Seattle WA