FIRSTNET®

Broadband Global Area Network

Highly Secure, reliable, easy-to-use Satellite Communications for FirstNet®

Key Benefits:

- Highly reliable network coverage
- Trusted security and resilience
- Access to public safety applications to include email, video and the internet
- Dedicated 24/7/365, U.S.-based support
- Affordable plans with advanced features, such as dedicated streaming channels, BGAN HDR, free incoming text messages, and varied usage rates from BGAN to other mobile devices
- High quality service via our private MPLS network
- Support of global operations
- Enhanced bandwidth options

Inmarsat Broadband Global Area Network (BGAN) service has emerged as the top choice of first responders for its reliability, ease-of-use and assembly.

With 99.9% network reliability, BGAN is the leading technology for combining voice/video/data capability with a small form factor for man/vehicle portability and the capability for on-the-move communications. BGAN systems provide standard IP data rates ranging roughly from 32 kbps to 492 kbps and can support advanced features such as Committed Information Rates (Streaming) for applications like video that require guaranteed bandwidth.

Easy-to-use, portable terminals

BGAN terminals are small enough to quickly pack, transport and set up literally in minutes, anywhere you go – a key "first in" capability during the

first 24 hours after a disaster hits. First responders require no special training in order to establish a secure VPN or local Wi-Fi hotspot and connect a remote outpost or field office. Users can conveniently connect existing cell phones to one of many BGAN satellite terminal offerings via Wi-Fi or Bluetooth. Providing support for voice and data connectivity where traditional terrestrial and cellular networks sustain damage or get overloaded.

Highly Available Connectivity

The BGAN network is backed up by Inmarsat Government's secure Multiprotocol Label Switching (MPLS) backbone, helping to ensure resilient, flexible SATCOM services. All customers have access to 24/7/365 support from a U.S.-based, Network Operations Center. Inmarsat Government provides its services and products in accordance with ISO 9001:2015.

![Inmarsat Government logo]

BGAN Comparison Chart

	Man Portable Terminals		Mounted Vehicular Terminals		
	Explorer 510	Explorer 710	Explorer 323	Explorer 325	Explorer 727
Terminal Size	7.8" x 7.8" x 1.6"	11" x 13" x 2.13"	12.7" x 3.8"	4.7" x 13.8"	6.3" x 18.8"
Terminal Weight (lbs)	3.1	7	8.5	7.9	13.2
Speed	464 kbps	492 kbps	384 kbps	384 kbps	492 kbps
Streaming	32, 64, 128 kbps	32, 64, 128, 450, 600 kbps	32, 64 kbps	32, 64, 128 kbps	32, 64, 128, 256 kbps
Ingress Protection	IP66	IP66	IP66	IP56	IP56
Power	10-31v DC	10-32v DC	12-24v DC	10.5-32v DC	10.5-32v DC
Battery Use (up to)	2:15	2:30	Powered by vehicle	Powered by vehicle	Powered by vehicle
Battery Standby	36:00	24:00	Powered by vehicle	Powered by vehicle	Powered by vehicle
Operating Temperature	-13°F to +131°F	-13°F to +131°F	-13°F to +131°F	-13°F to +131°F	-13°F to +131°F

Service Acquisition

BGAN service can be acquired via prepaid Inmarsat BGAN SIM cards. SIM cards are available in 500, 1,000 and 2,500 units and users only pay for the units needed.

To Purchase or Learn More

Contact your FirstNet Specialist www.firstnet.com.

For more information on SATCOM solutions for FirstNet, visit www.inmarsatgov.com/firstnet/