

# RELIABLE HIGH-SPEED IP CONNECTIVITY – AT ANY TIME



**Inmarsat Regional BGAN**

**REGIONAL**  
**Bgan**

**inmarsat**

# PORTABLE HIGH-SPEED DATA COMMUNICATIONS



## Imagine a world without data communications...

...where there's no or limited local telecommunications infrastructure

...where accessing your e-mail from your hotel room is an expensive option

...where it is imperative that you send a crucial report to head office, but the hotel's business centre is closed

...when you have just lost a \$multi-million deal because your tender was late due to your e-mail not being accessible

...where you have just received your cellular phone bill for the cost of accessing your e-mail whilst away on a business trip, and it is more than you expected

...when you arrive at your new site project office to find there is no telecommunications installation – and you need to order materials, resources, arrange logistics

## Now imagine a world of the future – imagine a world with Regional BGAN today...

Regional BGAN is the latest innovation from Inmarsat – a world leader in mobile wireless business communications via satellite.

It is a reliable, high-speed data solution addressing the need for freedom and flexibility to access business information as and when required.

**The Inmarsat Regional BGAN solution – consists of a satellite IP modem delivering high-speed IP connectivity to up to 99 countries across a 144 kbit/s shared channel – and provides:**

- **Instant communications** – real-time information as it is required
- **A natural way of working** – access to information just as if you were sitting at your office desk
- **Affordability** – a cost-effective 'Always On' solution so you only pay for the data you send and receive, not for the time connected
- **Reliability** – consistent high-quality access to business critical information without the risk of downtime
- **Ease of Use** – simple to operate and fast Plug and Play capability with PCs
- **Portability** – a lightweight notebook-sized satellite IP modem with fixed or wireless connection to your PC or PDA

## The global enterprise culture

With an increasingly global corporate life where business is being carried out in more places around the world than ever before, the need to continually communicate is becoming paramount. Changing working patterns have established e-mail as the new business language – with notebook computers and PDAs as essential executive companions. But in provincial areas of developed countries, as well as in undeveloped regions, there are often slow and unreliable fixed and mobile telecom networks or no terrestrial coverage at all. For success in today's global business world, access to corporate critical information is a major prerequisite and it has become essential to remain connected.

## High-speed IP connectivity

In response to this need, Inmarsat has developed the Regional BGAN solution – a lightweight notebook-sized satellite IP modem providing a high-speed data service via satellite.

Users simply connect the modem to their PC or PDA (via the Bluetooth or Ethernet interfaces), point the antenna in the direction of the satellite and then it's business as usual. It doesn't matter where the user is within the coverage area be it in Europe or provincial northern Africa. With Regional BGAN, connection to the Internet, accessing corporate LANs or exchanging information with other offices, is just as easy as though the user were sitting at their normal office desktop.

## Inmarsat Regional BGAN in action

Regional BGAN provides continuity of normal working life beyond the reach of terrestrial fixed and mobile communication infrastructures. The range of applications supported includes:

**Instant Remote Access** – to the corporate LAN maintaining productivity from anywhere within the coverage area

**VPN Connectivity** – connection to a variety of corporate Virtual Private Networks ensuring end to end reliable and secure high-speed access to information

**High-Speed Internet Access** – reliable and fast access to the Web anytime

**E-mail** – remain in touch, send and receive information when it is required

**File Transfer** – share files and collaborate with colleagues, partners and customers

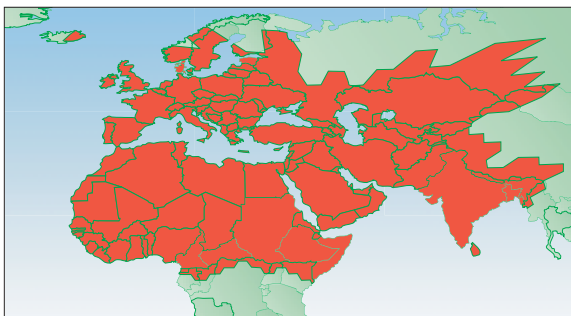
**Digital Image Transfer** – send scanned images of documents and high quality stills for immediate publication

**E-commerce** – the convenience, immediacy and security of online e-business

**Database Queries** – immediate access to important customer records and critical information

**Store and Forward Video** – ideal for sending video clips

**Remote IT Support** – software upgrades, diagnostics



 Inmarsat Regional BGAN coverage\*

## Illustrative coverage map

As illustrated, Regional BGAN covers Europe, the Middle East, the Indian sub-continent and North, Central and West Africa.

The map depicts Inmarsat's expectations of coverage but does not represent a guarantee of service and should not be relied on.

## Inmarsat Regional BGAN solution

### Solution Benefits include:

- **High quality permanent connectivity** – seamless service anywhere within the coverage area\*
- **Productivity** – organisations benefit from increased cost efficiencies
- **Reliability** – extreme reliability, service and modem tested extensively
- **Security** – meeting the requirements of the most demanding users
- **Simple set-up and ease of use** – fast set-up and operation
- **Portable** – compact and lightweight for easy carriage and transportation
- **Robust** – the model is designed to operate in extreme weather conditions
- **High-speed** – more than twice the speed of the current GPRS terrestrial systems

### Solution Features include:

- Internet-ready IP satellite modem
- High-speed data communication – up to 144kbit/s shared channel
- Secure communication – with tailored encryption
- Plug and play capability
- Standard interfaces and protocols:
  - Ethernet connectivity
  - Bluetooth connection to other devices
  - Universal Serial Bus (USB) connectivity
- Lightweight 1.6kg modem
- Battery life comparable to a notebook PC
- Full range of accessories including a separate antenna, carry case and charger
- Modem dust and spray proof for outdoor use

## Hardware

The Regional BGAN satellite IP modem is a lightweight and notebook-sized unit that connects the end-user's PC or PDA with the satellite network. The set up process is automated and end-users do not need knowledge of satellite or modem operation – just straightforward plug and play. The satellite IP modem is treated as any other standard network connection by the PC.



#### Dimensions:

300mm x 240mm x 40 mm  
(11.8" x 9.4" x 1.6")

#### Weight:

1.6kg (3.3lbs)

## Summary

Regional BGAN solution provides simple, more cost-effective, portable satellite communications, delivering connectivity virtually anywhere. It provides access speeds more than twice as fast as GPRS to LANs, WANs, intranets and the Internet regardless of the availability or reliability of local terrestrial networks.

\*The availability of service at the edge of coverage areas fluctuates depending upon a variety of conditions and is subject to licensing.

DISCLAIMER: Whilst this document has been prepared in good faith, no representation or warranty, express or implied, is or will be made by Inmarsat and no responsibility is or will be accepted by Inmarsat as to the accuracy or completeness of the document. © 2002 Inmarsat Limited. INMARSAT is a trademark of the International Mobile Satellite Organisation. The Inmarsat LOGO and the trademark BGAN are trademarks of Inmarsat (IP) Company Limited. All trademarks are licensed to Inmarsat Limited. All other trademarks acknowledged.

Inmarsat Ltd 99 City Road, London EC1Y 1AX Customer Services & Operations Telephone: +44 (0)20 7728 1777 Fax: +44 (0)20 7728 1746 Website: [www.inmarsat.com](http://www.inmarsat.com)

July 2002 (3908)

## Inmarsat – a proven history in satellite communications

For over 21 years, Inmarsat has consistently delivered innovative communication solutions, providing customers with proven technology and outstanding service reliability. Through its pioneering development of satellite communications solutions, Inmarsat is widely used by enterprises and government agencies worldwide. Inmarsat has approximately 260 service providers operating in around 80 countries world-wide. There are over 240,000 Inmarsat terminals currently registered to access Inmarsat services.

## Next steps

To find out more about Inmarsat Regional BGAN and the benefits it can bring to your business – contact Inmarsat customer services on +44 (0)20 7728 1777 or visit our website [www.inmarsat.com](http://www.inmarsat.com).

REGIONAL  
Bgan

inmarsat

an inmarsat ventures company