Facts

Regional BGAN

Technical Specifications and Hardware suppliers

Regional BGAN is a wireless packet data service based on Internet Protocol (IP), which offers mobile, high-speed access to the internet and corporate IT networks via a small, lightweight and portable Satellite IP Modem.

The Regional BGAN User Terminal (UT) connects to a notebook or desktop computer running Microsoft Windows 98, Millennium Edition (ME), 2000 or NT. Three interface connections are available: Ethernet, Universal Serial Bus (USB) and Bluetooth.

On power up, the UT executes a location determination process. This enables it to pass information to the user, via a standard web browser, regarding the position for optimum use. A built-in compass and an elevation protractor can also be used for this purpose.

Regional BGAN has a web-based user interface providing full details of the operational status of the system connection, with key information replicated on the UT using a series of LEDs.

Once connected, the user may remain 'on-line' for as long as required and perform tasks as if working in the office or home, while only being charged for data sent and received.

Service Characteristics

- Regional BGAN service provides GPRS-based packet data communications to notebook-sized modems over shared 144 kbit/s channels.
- The service is available in a footprint covering up to 99 countries across Europe, the Middle East, the Indian sub-continent and North, Central and West Africa (subject to licence).
- The system makes use of the Inmarsat Satellite Access Station located in Fucino, Italy and of Xantic's Access Control Point in Burum, Netherlands.
- A three position switch is incorporated within the antenna, enabling the user to select the integrated antenna, an external antenna (optional) and allow the UT to be operated over the Inmarsat I-4 satellites when these become operational.
- The UT has two buttons in addition to the LEDs. The first button enables power on/off, while the second enables the user to select the interface connection (Ethernet, USB or Bluetooth). The LEDs are multi-functional, particularly during start-up. Internationally recognised icons identify the LED functions during operation.

Technical specifications

Feature	Details
Lightweight	1.6 – 1.8 Kg (3.3 lbs – 3.9 lbs)
Compact	300 mm x 240 mm x 40 mm (11.8" x 9.4 " x 1.6")
SIM Card	Yes
Operating temperature	-10 °C to + 55 °C (14 °F to 131 °F)
Operating humidity	95% RH at 40 °C (104 °F)
Input Voltage	7.2 to 8.4 Vdc
Mechanical vibration	200-2000 Hz, 0.3 m2/s3
Unpackaged Drop	0.5 m on concrete
Solar radiation	1120W/m2; MIL-SPEC 810E 505.3)
Water and dust proofing	IP-54 as standard, dust and spray proof in all directions
Air pressure for transport at altitude	4500 m ASML; MIL-SPEC 810E Method 500.3
Battery Life	36 hours standby time and one hour of continuous transmission at highest rate
Battery Type	Lithium-Ion
External Power	Mains power supply adapter
Connectors	USB, Ethernet, Bluetooth
User Interface	Webpage-based graphical user interface accessible via standard web browser. Wizard set-up guide for sample start-up and set-up operations

xantic

Product Illustration

1. Integral antenna
2. Compass
3. SIM Card
4. Battery
5. External Power
6. USB
7. Indicators Ethernet

Control Panel

1. Power control button
2. Interface control button
3. Power indicator
4. USB indicator
5. Ethernet indicator
6. Bluetooth indicator
7. Battery indicator

Xantic's Regional BGAN Hardware distribution partners

e-Go Solutions
From NSSL & TET

Tel: +44 (0)1737 648766
Fax: +44(0)1737 648882

e-mail: scott.mcbride@e-gosolutions.com
www.e-gosolutions.com

e-Go Solutions, the NSSL & TET partnership based in the UK is one of the hardware distributors for Xantic. This provides you with the following benefits:

- UK based warehouse - stocks maintained to ensure availability and timely delivery
- Workshop facilities
  - all equipment fully configured and tested prior to despatch.
  - Returns and repairs
- Lower cost freight charges to Europe
- Dedicated contact
- Technical help-desk for product support

ATLAS TELECOMMUNICATIONS

Atlas Telecommunications
P.O. Box 30888
Abu Dhabi
U.A.E.

Tel: +971 26444888
Fax +971 26441536,

email: halima@atlastel.co.ae
fnakib@atlastel.co.ae

Atlas Telecommunications is an U.A.E. based company, representing many world-class global companies, whose abilities and products are complementary. This allows Atlas to provide total solutions to the tele-communications users in the United Arab Emirates and Gulf area.

Benefits for Regional BGAN users include:

- UAE based warehouse - Stock maintained to ensure availability and timely delivery

- Workshop facilities
- All equipment fully configured and tested prior to dispatch
- Returns and repairs
- Lower cost freight charges to middle east
- Dedicated contact
- Technical help-desk for product support

NERA GmbH

Nera GmbH has specialized for 30 years in all kind of landmobile and maritime communication. As reliable partner of globally acting concerns and organizations as well as supplier for expeditions and vessels Nera Germany has become a renowned pioneer in this field.

Mühlenstieg 5
22041 Hamburg
Germany

Tel: +49 40 682770
Fax: +49 40 68227135

Email: near.hh@nera.no
www.nera.de

Customer Services
For more information visit our website www.xantic.net, send an email to service@xantic.net or contact your sales manager.

Access via Australia
Tel: +61 7 5498 0000
Fax: +61 7 5498 0098
Telex: (71) 22432 TELCSC AA

Access via the Netherlands
Tel: +31 70 343 4543
Fax: +31 70 343 4796