NETWORK INNOVATIONS
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BGAN-ARMOR

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BGAN-ARMOR from Network Innovations is a thermostatically controlled, heated enclosure for the Cobham Explorer 500/510/700/710 or HNS 9202 BGAN Terminals. The BGAN-ARMOR enables deployment of BGAN terminals into harsh cold climates; protecting the terminal from rain, snow and dust while enabling operations in temperatures below -50 °C.

BGAN-ARMOR BENEFITS

- **Ensure reliable operations of BGAN terminals in climates as low as -50 C**
- **Sturdy design and pole-mount system ensures stability in high winds**
- **Enclosure can accommodate multiple types of BGAN terminals**
- **Ideal solution for camp sites, SCADA & telemetry operations**
- **Easy to install**

BGAN REMOTE SITE DEPLOYMENT

The BGAN-ARMOR is a pole mountable, weather proof kit specifically designed to accommodate a variety of BGAN terminals. The unit can be installed outdoors permanently in any weather condition making it an ideal solution for SCADA/telemetry applications, offshore facilities, mining camp sites or other facilities in areas with harsh climates.

The enclosure is fitted with IP66 rated semipermeable enclosure vents allowing any internal moisture and air to vent but preventing the entry of moisture or dust.

The enclosure has been designed to minimize the requirement for tools. The Explorer 700/710 antenna locks into the base plate via its location tabs. The Explorer 510/500 or Hughes 9202 fit via an adapter plate, again installable without any tools.

The enclosure is rated IP66, IEC 529 and the pole mount is sturdy stainless steel, designed such that the entire assembly can withstand the high winds typical of extreme arctic locations. The mount may be rotated for azimuth adjustments and includes an elevation adjuster for easy pointing. A locking bolt prevents the enclosure dropping below zero degrees elevation during installation. All external mount bolts are stainless steel with nylon locking stainless steel nuts.

The BGAN-ARMOR is designed for high reliability, incorporating dual redundant fan-less heaters with independent thermostats. Options include dual RTDs for enclosure temperature monitoring and AC or DC heaters.

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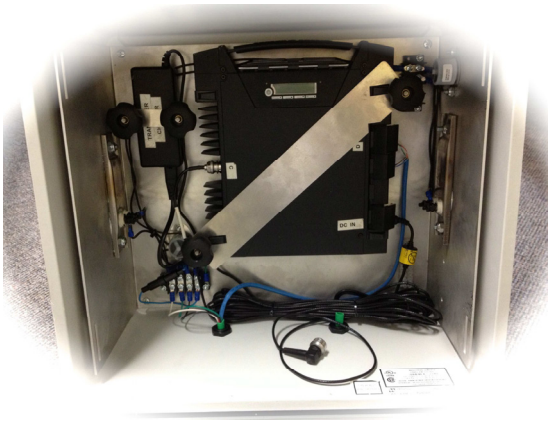
PROTECTION

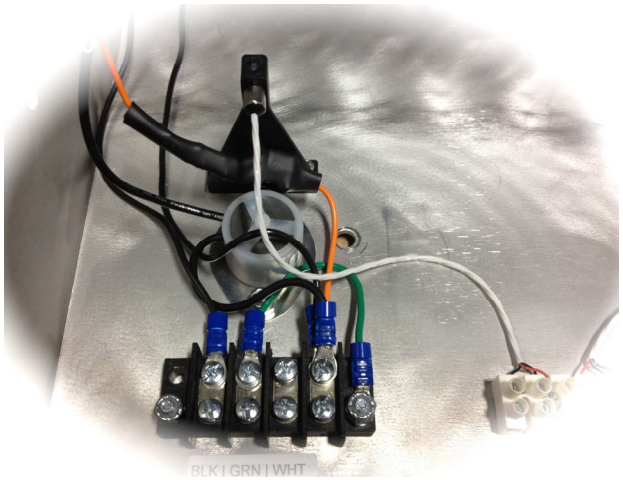
The BGAN transceiver may be placed within the enclosure. Two large knurled hand wheels fix the notched mounting plate holding the transceiver in place. The power supply is fitted in a similar manner. Hand wheels are used to minimize the requirement for tools and facilitate rapid and easy installation of equipment.



BGAN-ARMOR internal view

BGAN ARMOR SPECIFICATIONS

Enclosure Size	453 X 406 X 224 mm (approximately 18 X 16 X 9 inches)
Enclosure Type	IP66, IEC 529, NEMA 1,2,3,4,4x,12,13
Weight	14 Kgs (30 lbs) including mounts, excluding transceiver and antenna
Venting	UL Type 1,4,4X and IP 66 protection with a semipermeable membrane to vent air and moisture but to block the entry of moisture and dust
Terminals Supported	Thrane Explorer 300, 500, 510, 700 & 710. Hughes HNS 9202.
Pole Mount Diameter	2 inch nominal schedule 80 pipe
Heater	Two at 125 watts each depending upon configuration
RTD	Dual RTDs available
Adjustment	Stainless Steel pole mount with 53 degree elevation adjustment
Antenna Cabling	For antenna only installations an “N” type bulkhead connector is provided. Cable selection subject to cable length
Power and Telemetry Cable	Belden 7952A or equivalent, low temperature rating recommended
BGAN Voice and Data Cable	Belden 7952A or equivalent, low temperature rating recommended
Cable Lengths	Dependent upon configuration
Breakout Box	Optional Breakout Box for voice, data and power connections.



Resistance Temperature Detectors (RTDs) are sensors that contain a resistor that changes resistance value as its temperature changes. The BGAN-ARMOR may be ordered with two post mounted RTDs for sensing enclosure temperature.

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sales@networkinv.com
US: +1.954.973.3100
CA: +1.403.287.5000
EU: +31.40.295.3001
UK: +44.20.8286.6768
SG: +65.6274.0811
AU: +61.1300.140.150

www.networkinv.com

Americas
Calgary, AB, Canada
Fort Lauderdale, FL, USA

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The Netherlands
London, UK

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