



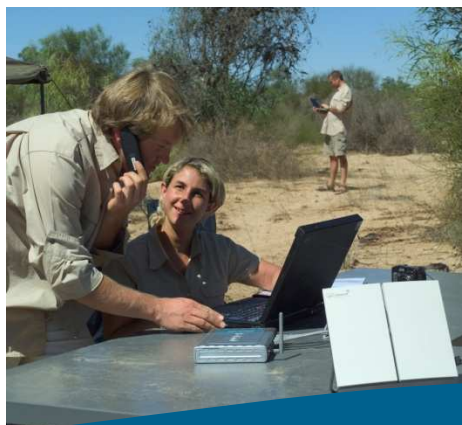
Thrane&Thrane – Explorer 727

The BGAN Explorer 727 terminal is the land-vehicular version of the Explorer 700. Like the other terminals it allows direct access to voice and high speed data services simultaneously. It offers standard IP connection rates up to 464 Kbit/s. The Explorer 727 offers streaming at 32, 64 128 and 256 Kbit/s data rates.

This terminal is composed of a transceiver, a tracking antenna and its fixed mount kit, all cables and power supplies for vehicular installation.

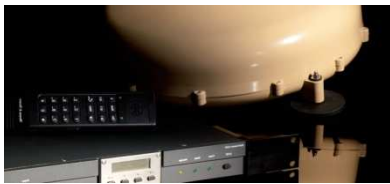
The main characteristics are:

- Land-vehicular BGAN terminal
- IP access up to 432 Kbit/s
- Streaming up to 256 Kbit/s
- Access to the following services: voice calls, high speed data transmission, Internet, IP voice, FoIP, video streaming
- LAN, USB, and RJ11 interfaces
- Integrated user interface suitable without using a computer
- Optional magnetic mount



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Specifications



Terminal	
Weight	4.9 Kg
Dimensions	300 x 300 mm (rack mounting casing)
Humidity	N/S
Temperature	-25°C to +55°C operating -40°C to +80°C storage
Wind	N/A
Water & Dust	
Ice	
Rain	
Vehicle motions	

Antenna
5.2 Kg
500 x 125 mm
100% RH at +40°C
-25°C to +55°C operating -40°C to +80°C storage
200 Km/h (fixed mount)
IP-56 standard
25mm non-operational
Up to 50 mm/h
Turning rate : 60°/s
Turning acceleration : 50°/s ²
Coverage limits 5-85° (no tilt)

Radio

Antenna

Type	Active tracking antenna
EIRP	Max 17.5 dBW
Frequencies	1626.5-1660.5 MHz 1525.0-1559.0 MHz 1575 MHz (GPS)

Data rates

Transmit	Up to 432 Kbps
Receive	Up to 432 Kbps
Streaming	32, 64, 128, 256Kbps
symmetric	

Power

DC Input	10 – 32 VDC, 60W
Connector	Proprietary

Consumption

Stand-by	20 watts
Transmission	60 watts



Interfaces

USB

Standard	USB specification 1.1
Connection	Type B
Rates	12 Mbps
Cable size	5m maximum

Phone

Connection	2x RJ11
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Vibrations

Transceiver

Operational	random 5-20Hz, 0.02g sq/Hz, 20-150Hz, -3 dB/oct (1.05g)
Survival	random 5-20Hz, 0.05g sq/Hz, 20-150Hz, -3 dB/oct (1.7g)

Antenna

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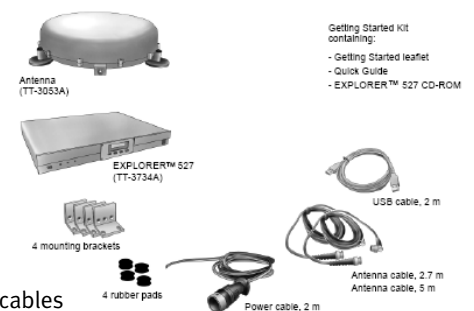
Accessories

Included with the terminal

Transceiver
Antenna and fixed mount kit
Antenna cables 2.7m and 8m
USB cable 2m
Power cable
Installation CD

Optional

Magnetic mount kit, 14 & 50m antenna cables



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