



## Thrane&Thrane – Explorer 700

*The BGAN Explorer 700 terminal is a upper range terminal. Like the other terminals it allows direct access to voice and high speed data services simultaneously. It offers standard IP connection rates up to 492 Kbit/s. The Explorer 700 offers data streaming up to 256 Kbit/s.*

*This terminal is the perfect solution for mobile office in all circumstances, especially for medias and armies.*

### The main characteristics are:

- IP access up to 492 Kbit/s
- Streaming up to 384 Kbit/s
- Access to the following services: voice calls, high speed data transmission, Internet, IP voice, FoIP, video streaming
- LAN, WLAN, ISDN, USB, I/O, Bluetooth and RJ11 interfaces
- Integrated user interface suitable without using a computer
- Integrate remote antenna



Thrane&Thrane – Explorer 700

# Specifications



## Physical

### Size

Total	290 x 399 x 51 mm
Antenna	290 x 399 x 51 mm
Transceiver	280 x 228 x 40 mm

### Weight

Total	3.2 Kg, battery included
Antenna	1.7 Kg
Transceiver	1.5 Kg, battery included

## Interfaces

### USB

Number	1
Standard	USB specification 1.1
Connection	Type B USB
Rates	12 Mbps
Cable size	5m maximum

### Phone

Number	2
Standard	600 Ohms CCITT Rec 473
Connection	RJ11

### Ethernet / LAN

Number	2
Standard	ISO/IEC 8877:1992 and 802.3 1998 edition
Connector	RJ45 MDI/MDI-X
Cable size	100m on CAT5 maximum
Data rate	10/100 Mbps

### WLAN / WiFi

Standard	IEEE 802.11 a/b/g
Antenna	Integrated
Coverage	100m maximum
Data rate	54 Mbps

### ISDN

Number	2
Connector	RJ45
Data rates	Voice 4Kbps Data 64Kbps Audio 3.1Kbps

### Bluetooth

Version	Bluetooth specification 1.2
Standard	Power Class 1
Antenna	Integrated
Frequency	2400.0-2483.5 MHz
Rate	1 Mbps
Range RF	100m (outdoor)

### I/O

Connector	Screw terminal plug
Functions	2 input/output Input : TTL-level, 0-32V Output : max 50mA, 0-32V

## Radio

### Antenna

Type	Remote integrated
EIRP	20 dBW +/- 1dB
Frequencies	1626.5-1660.5 MHz 1525.0-1559.0 MHz 1575.42 MHz

### GPS

### Data rates

Transmit	Up to 492 Kbps
Receive	Up to 492 Kbps
Streaming	32 to 384 Kbps symmetric

## Power

DC Input	10 – 32 VDC
----------	-------------

### Consumption

Stand-by	1.2 watts
Transmission	18 watts
Charging	60 watts max

### Power adaptor

Input	100 – 240 VAC, 47 – 63 Hz, 60W
Output	19 VDC

### Battery

Type	Li-Ion
Life	2.5h @ 144 Kbps 36h in stand-by
Recharge time	2.5h

## Environmental

### Operating temperature

-25°C to +55°C

### Storage temperature

Terminal	-40°C to 80°C
Battery	1 month : -20°C to +60°C 3 months : -20°C to +45°C 1 year : -20°C to +20°C

### Humidity

Operating	95%
-----------	-----

### Protection

Transceiver	IP52
Antenna	IP66



## Accessories

### Included with the terminal

Electronic unit  
Remote antenne  
Battery  
AC/DC charger  
Antenna cable  
Antenna cable 10m  
USB cable  
Ethernet cable  
Installation CD-Rom



## E-SAT

121 rue Aristide Briand – 92300 Levallois Perret – France

Tél. : +33 1 41 06 99 20 – Fax : +33 1 47 37 24 13

www.e-sat.fr – info@e-sat.fr – www.bgan.fr