



Thrane&Thrane – Explorer 500

The BGAN Explorer 500 terminal is a middle 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 464 Kbit/s. The Explorer 500 offers streaming at 32, 64 Kbit/s and 128 Kbit/s data rates.

This terminal is the perfect solution for mobile office in all circumstances and for all users.

The main characteristics are:

- IP access up to 464 Kbit/s
- Streaming up to 128 Kbit/s
- Access to the following services: voice calls, high speed data transmission, Internet, IP voice, FoIP, video streaming
- LAN, USB, Bluetooth and RJ11 interfaces
- Integrated user interface suitable without using a computer
- Optional removable antenna
- Whole range of optional accessories



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Specifications

Radio

Antenna

Type	Integrated
EIRP	15.1 dBW +/- 1dB
Frequencies	1626.5-1660.5 MHz 1525.0-1559.0 MHz

Data rates

Transmit	Up to 464 Kbps
Receive	Up to 448 Kbps
Streaming	32, 64 or 128Kbps symmetric

Interfaces

USB

Standard Configuration	USB specification 1.1 Windows 2000 et XP, Mac OS 10.1, Redhat 6.0
Connection Rates	Type mini B USB 12 Mbps
Cable size	5m maximum

Phone

Standard Connection	600 Ohms CCITT Rec 473 RJ11
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Ethernet / LAN

Standard	ISO/IEC 8877:1992 and 802.3 1998 edition
Connexion	RJ45 MDI-X
Cable size	100m on CAT5 maximum

Bluetooth

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

Accessories

Included with the terminal

Electronic unit
AC/DC charger
Battery
USB cable
Ethernet cable
Installation CD

Power

DC Input	10 – 16 VDC
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Consumption

Stand-by	0.8 watts
Transmission	14 watts
En charge	38 watts max

Power adaptor

Input	100 – 240 VAC, 47 – 63 Hz
Output	15 VDC

Battery

Type	Li-Ion
Life	1.5h @ 144 Kbps 36h in stand-by

Supported applications

VPN Client	Based on PPTP, LT2P et IPSEC
VoIP	H.323 and SIP
FoIP	T.37 and T.38
MPEG streaming	H.263 and H.264
E-Mail	POP3, SMTP et IMAP
Messaging	Yahoo and MSN Messenger
Conferencing	Microsoft Netmeeting

Physical

Terminal

Size	218 x 217 x 52 mm
Weight	1.3 Kg

Environmental

Operating temperature

Charging	-25°C to +55°C
On battery	0°C to +55°C

Storage temperature

Without battery	-40°C to 80°C
With battery	-20°C to +45°C (3 months)

Humidity

Operating	95%
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Protection

IP54



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