NERA WORLDPRO 1000
The Ultimate Communications Tool On The Move

The **Nera WorldPro 1000** is the ultimate tool for professionals working in exceptional circumstances, stopping at each remote site for only a brief period before moving on, needing a makeshift "office" instantly.

Nera has created an integrated and *extremely compact* communications device for the BGAN *broadband data and voice services*. Operating in highly challenging situations, the **Nera WorldPro 1000** nevertheless includes the most advanced functionality and is optimised for convenient use.

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THE SMALLEST AND LIGHTEST BROADBAND SATELLITE TERMINAL
Half the size of a laptop and weighing less than 1 kg, the Nera WorldPro 1000 meets the toughest demands for portability. Built for persistent travel and bumpy rides, the terminal can be dropped onto concrete without breaking and works just as well in a dusty desert as in a humid rain forest.
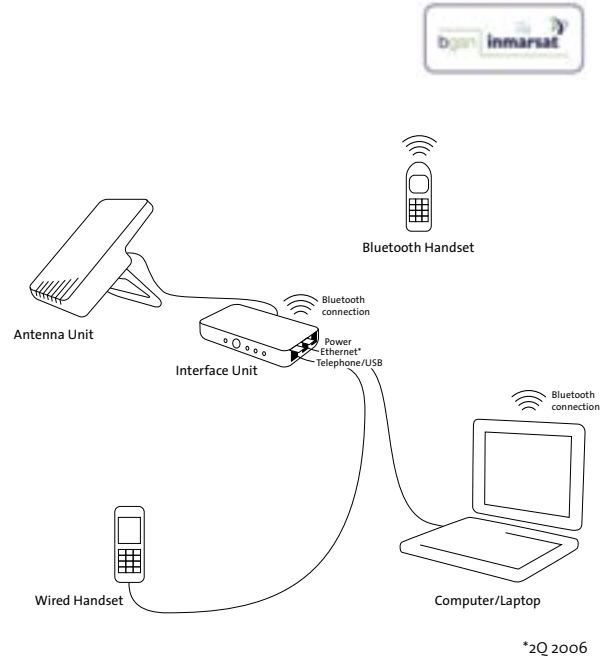
BROADBAND AND VOICE – SIMULTANEOUSLY
With data rates of up to 384 kbps, users of the Nera WorldPro 1000 can make use of bandwidth-hungry applications on the move without experiencing any performance issues. Simultaneously, the same terminal can transmit toll-quality voice calls.

COMPLETE FLEXIBILITY – INDOORS AND OUTDOORS
In order to cater for comfortable and secure indoor usage in risky or inhospitable environments, the Nera WorldPro 1000 can be split into two units. Both USB, ISDN, Ethernet* and Bluetooth interfaces deliver further flexibility for users constantly adapting to new situations.

NO PLUG – JUST PLAY
The Nera WorldPro 1000's one-patch antenna makes it extremely easy for a user to find the satellite communications signal. Self-explanatory indicators and an on-box MMI ensure that the terminal is straightforward to operate.

Bluetooth Handset

Antenna Unit

Bluetooth connection

Interface Unit
Power
Ethernet*
Telephone/USB

Bluetooth connection

Wired Handset

Computer/Laptop

*2Q 2006

TECHNICAL SPECIFICATIONS

Data Rates	
Transmit	240 kbps
Receive	384 kbps
Streaming	32, 64 kbps symmetrical

Power	
Input voltage	100 – 240 VAC +/- 10% 50 – 60 Hz 800 mA
Output voltage	12 VDC +/- 10%

Interfaces	
USB	1 connector, USB v1.1
USB data rate	Up to 12 Mbps
Bluetooth	Built-in Bluetooth antenna, Bluetooth v1.1
Bluetooth data rate	432.6 kbps
ISDN	1 RJ-45 connector for voice handset
Ethernet*	RJ-45

Environmental	
Storage terminal	-40 °C – +80 °C
Storage battery	-20 °C – +40 °C
Operational	-20 °C – +55 °C, 95% non-condensing humidity at 40 °C
Light	500 W/ m² infrared, 54 W/ m2 ultra violet
Visible sunshine	1120 W/ m² MIL-SPEC 810E 505.3
Sealing class	IP44

Antenna Performance	
Gain	Tx 8.5 dBic Rx 8.5 dBic
Beam width	+/- 30°
G/ T	-18.5 dB/ K
EIRP	10 dBW
Frequency range	L-band Tx 1626.5 – 1660.5 MHz, Rx 1525.0 – 1559.0 MHz

Battery	
Type	7.2 Volt 2400 mAh Li-Ion rechargeable
Standby	36 hours
Typical use	5 hours 20% activity factor
Maximum transmission	1 hour continuous transmission at > 72 kps at nominal EIRP at edge of coverage and edge of beam
Maximum reception	1 hour continuously at full rate
Time to full charge	3 hours

Physical Data	
Weight	995 g including battery
Dimensions	20 x 15 x 4.5 cm (Interface Unit 14.5 x 9.2 x 2.7 cm, Antenna Unit 15 x 20 x 4.5 cm)
Distance Interface Unit – Antenna Unit	Maximum 20 m
Distance Interface Unit – Bluetooth device	Maximum 20 m

Nera reserves the right to make changes to product specifications without further notice.

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