



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.

Remote Satellite Systems International
www.remotesatellite.com

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The Ultimate Communications Tool On The Move

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

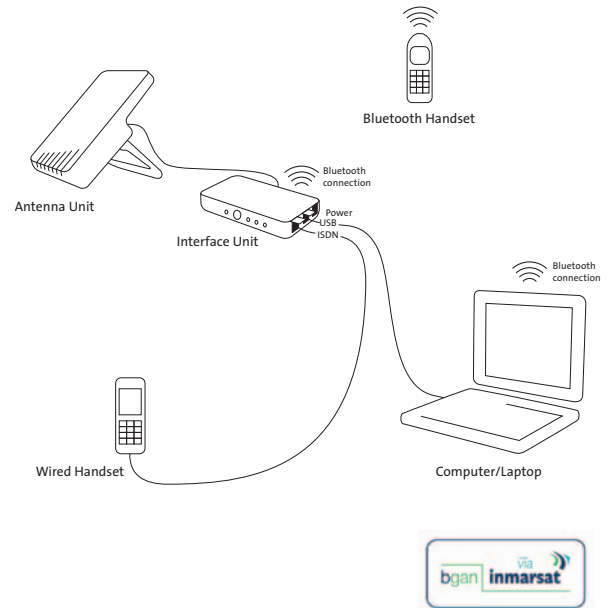
With data rates of up to 384 kbps, users of the Nera WorldPro 1000 can make use of bandwidth-hungry applications on the move without experiencing any performance issues. Simultaneously, the same terminal can transmit toll-quality voice calls.

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 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.



A fully-owned subsidiary of Nera, Nera SatCom is the chief supplier of products and solutions for the Inmarsat satellite system and a leading manufacturer of equipment based on the DVB-RCS broadband via satellite standard.

Nera SatCom AS
Bergerveien 12
1375 Billingstad, Norway
www.neraworld.com

Distributor



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

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/ m ² infrared, 54 W/ m ² ultra violet
Visible sunshine	1120 W/ m ² 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 kbps 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.



NERA WORLDSET The Most Advanced Satellite Communications Handset

The **Nera WorldSet** provides users of satellite communications services with state-of-the-art handset features. Optimised for users of Inmarsat's services both on land and at sea, the **Nera WorldSet** enhances the user experience for *GAN services* and *Fleet services* while at the same time providing optimised functionality for the next-generation *broadband satellite services*, BGAN.



NERA WORLDSET

The Most Advanced Satellite Communications Handset

STATE-OF-THE-ART HANDSET

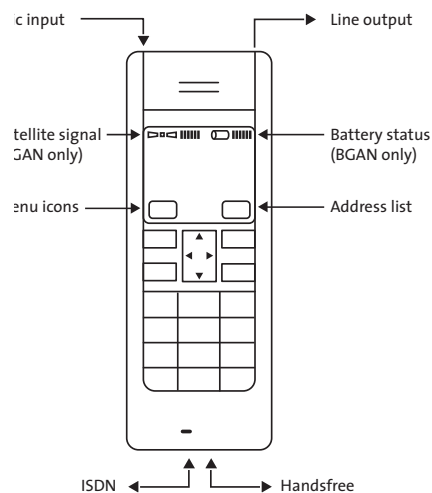
Making use of intuitive user interfaces and menus, the Nera WorldSet presents Inmarsat users with the convenience features they are accustomed to from GSM and DECT phones. Functionality includes address lists, call logs, and read and write SMS text messaging. Naturally, the Nera WorldSet also provides all the functions of a standard ISDN handset.

OPTIMISED FOR SATELLITE USERS

The Nera WorldSet incorporates features that are particularly useful both in provisional camps on land and in maritime environments, such as the loudspeaker option for handsfree operation. There is also a line out interface to connect to standard headsets, external loudspeakers and recording equipment. Similarly, the microphone input allows the Nera WorldSet to be used with dynamic microphones.

INTEGRATED BGAN FUNCTIONALITY

Enabling BGAN users to configure and control the terminal independently of a computer, the Nera WorldSet turns BGAN into a powerful voice service in its own right. Moreover, signal strength and battery status can be monitored directly from the handset display, providing flexibility for users on site. To further enhance the BGAN user experience, address lists can be accessed remotely.



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TECHNICAL SPECIFICATIONS

Services

Voice	G.711
Supplementary	Subset of Q.932
SMS	TS 23.040 supported for BGAN
Radio News Gathering	Optional support for G.722 for 64 kbps ISDN voice

Line Interfaces

ISDN	1.430, Q.921, Q.931, Euro-ISDN
Handsfree	Standard 2.5 mm stereo jack. 105 mW @ 16 ohm high-level speaker drive
Line out interface	3.5 mm stereo jack. 105 mW @ 16 ohm high-level speaker drive
Microphone	Standard 3.5 mm mono jack. Dynamic microphone input. 0 - 60 dB gain

Display

Display	LCD grey scale
Pixels	128 x 128
Back-lit	Yes

Environmental

Sealing class	IP44
Operating temperature	-20 °C - +55 °C

Physical Data

Weight	180 g
Dimensions	52 x 140 x 24 mm