



# GENERATING FAST PORTABLE DATA TRANSMISSIONS

## Nera WorldCommunicator

Lightweight portable satellite data modem

A global data solution with 64kbps/ISDN  
compatible interface and voice options



# NERA

enabling a wireless future



# GENERATING portable data and voice communications... ...for a high speed world.

Nera WorldCommunicator gives you the freedom to communicate. Wherever you are, it provides a truly portable 64 kbps/ ISDN communications service for data and voice transmissions via Inmarsat geostationary satellites. This is the ultimate communications tool.



Browse the Internet, check your e-mail, transfer large data files, conduct video-conferencing, send a fax or speak on the telephone, anywhere on the globe. Nera WorldCommunicator offers complete independence at an affordable price.



## Fast and simple to use

Nera WorldCommunicator is fast and very simple to set-up. The terminal is delivered with a CD ROM containing a user-guide and software which enables you to easily configure the terminal from your PC or Laptop. The Windows-based software is compatible with the business applications on your PC, laptop or palmtop. Start-up takes only a few seconds and peripheral devices simply plug and play. It could hardly be easier!

## Freedom and flexibility

The Nera WorldCommunicator includes a built-in cordless phone base station that allows up to 12 cordless phones to be connected to form a cordless local phone network. In addition to the external line, up to 5 handsets can be used simultaneously for internal calls. These calls are free of charge, making the Nera WorldCommunicator perfect for remote and mobile use. A low-cost 4.8 kbps voice channel is available and the system accepts wired digital telephones, or analogue equipment via an external terminal adapter.

## Compact and versatile

The Nera WorldCommunicator weighs just 4kg. It is designed to be discreet and the entire terminal fits easily into an A4/PC carrying case. Alternatively, a dual case allows you to carry a complete system, including



a laptop computer as hand baggage on an aircraft. A well designed hard case for rugged transportation is also available as an optional extra. The powerful on-board Lithium-ion battery provides long life and recharges from most power sources including a car power socket.

## Tough enough for any business

Nera has not compromised robustness for design. We have used a highly shock-absorbent poly-carbonate material, to protect the advanced electronics from damage caused by rough handling or extreme climatic conditions. The material is thoroughly tested and extensively used in the motor industry where quality and safety are paramount. The terminal can be used in extreme environments, from cold to hot weather conditions (-25° to +55° Celsius).

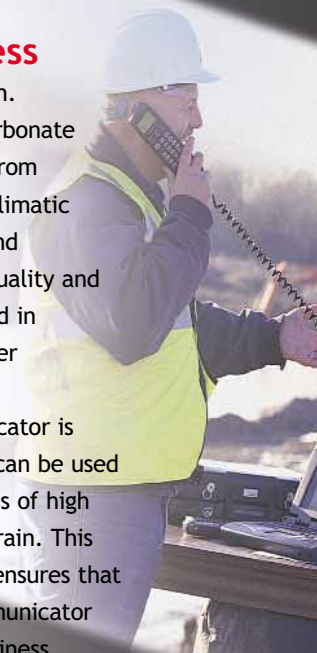


Nera WorldCommunicator is water-resistant and can be used in extreme conditions of high humidity and heavy rain. This robust construction ensures that the Nera WorldCommunicator will be ready for business wherever and whenever you need it most.

## Worldwide support

As a leading manufacturer of satellite communications equipment Nera provides a comprehensive global Customer Care network to handle administration and provide both commercial and technical advice. All Nera personnel undergo extensive training and licensing to guarantee the highest level of service worldwide.

**One call or an e-mail to Nera is all you need!**



### Media Solution

- Camera
- Cordless phone
- PC



### Video Conferencing Solution

- Videophone
- Web Camera



### LAN Solution

- Router
- PC Network



### Remote Office Solution

- Fax
- Laptop
- Cordless phone

### Voice Solution

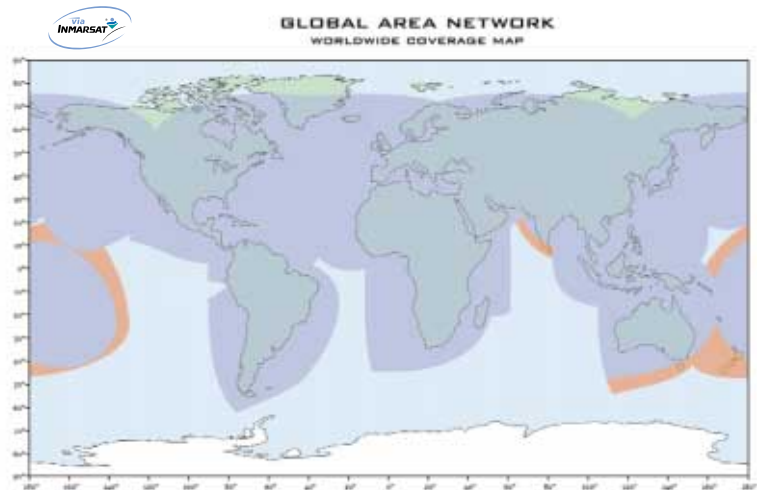
- ISDN phone
- Cordless phone
- IP phone over Internet



# High-quality coverage - anywhere on the planet.

Inmarsat's Global Area Network service (M4) was introduced to meet the increasing demand for mobile data capacity. It enables its users to bring their home office environment, and applications requiring higher bandwidth, to anywhere on earth.

The combination of the Nera WorldCommunicator and the Global Area Network service is the perfect solution where clear and dependable communications are vital. It provides 64 kbps/ISDN high speed data and low cost voice in a format, which is as easy to use as a data modem.



## Technical specification

### Key features

- 64 kbps data
- 4,8 kbps compressed voice (low cost)
- ISDN compatibility
- USB (Universal Serial Bus) interface
- IPDS (Inmarsat Packet Data Service)
- SIM-Card Handling
- Call logging
- Pre-paid functions
- Telephone book
- Self explanatory man machine interface
- Built-in Lithium-ion battery
- Graphical back light LCD display
- Handy cordura carrying bag supplied with the terminal.
- Built-in cordless phone base station
- Shock-absorbent material
- Water resistant terminal
- Antenna and terminal unit integrated in one frame

### Value added service options

- Secure voice: STU III
- Supplied with each terminal a CD ROM with easy access to manual, configuration and applications, user guidance and other useful information
- The ownership of a Nera WorldCommunicator gives access to the Nera website where more updated information is available
- Optional fixed-mounted antenna for more permanent installations
- Various optional accessories for integration of applications

### System specification

Transmit frequency: 1626.5 to 1660.5 MHz  
Receive frequency: 1525 to 1559 MHz  
Channel spacing: 5/40 KHz  
EIRP: 25 dBW  
G/T: -7 dBK-1  
DECT: 1880 to 1900 MHz

### Size and weight

Dimensions folded together:  
• H=68mm W=260mm D=355mm  
Fixed antenna:  
• H=535mm W=535mm D=52mm  
Weight: 3.9 kg  
Antenna folded out:  
• H=340mm W=774mm D=10mm  
Weight (incl. battery): 4.2 kg  
Weight (excl. battery): 3.7 kg

### Environmental conditions

Storage: -50°C - +80°C  
Operational:  
Antenna: -25° - +55°C  
Modem: -25° - +55°C  
Humidity: +40°C, 95%  
ARU: IP 55  
Modem: IP 53

### Interfaces

- ISDN (RJ45)
- RS232 port (9pin DSUB)
- USB
- DECT

### External options

- Line adapter for analogue devices
- AC/DC converter:  
-AC in 90-264V, 47-63Hz, 45W  
-DC out 19VDC
- DC/DC converter:  
-DC in 10-32VDC  
-DC out: 19VDC

### Power consumption

Standby time: 70 hours  
4.8 kbps voice: 9 hours  
64 kbps voice: 6 hours  
64 kbps data: 3 hours

Typical power consumption:  
Transmit: 32W, Standby: 0,75W maximum  
Charging: 30W maximum

## A selection of accessories available from Nera



Fast battery charger



Battery pack



ISDN telephone



Cordless telephone



Terminal adaptor



Fixed-mounted antenna

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