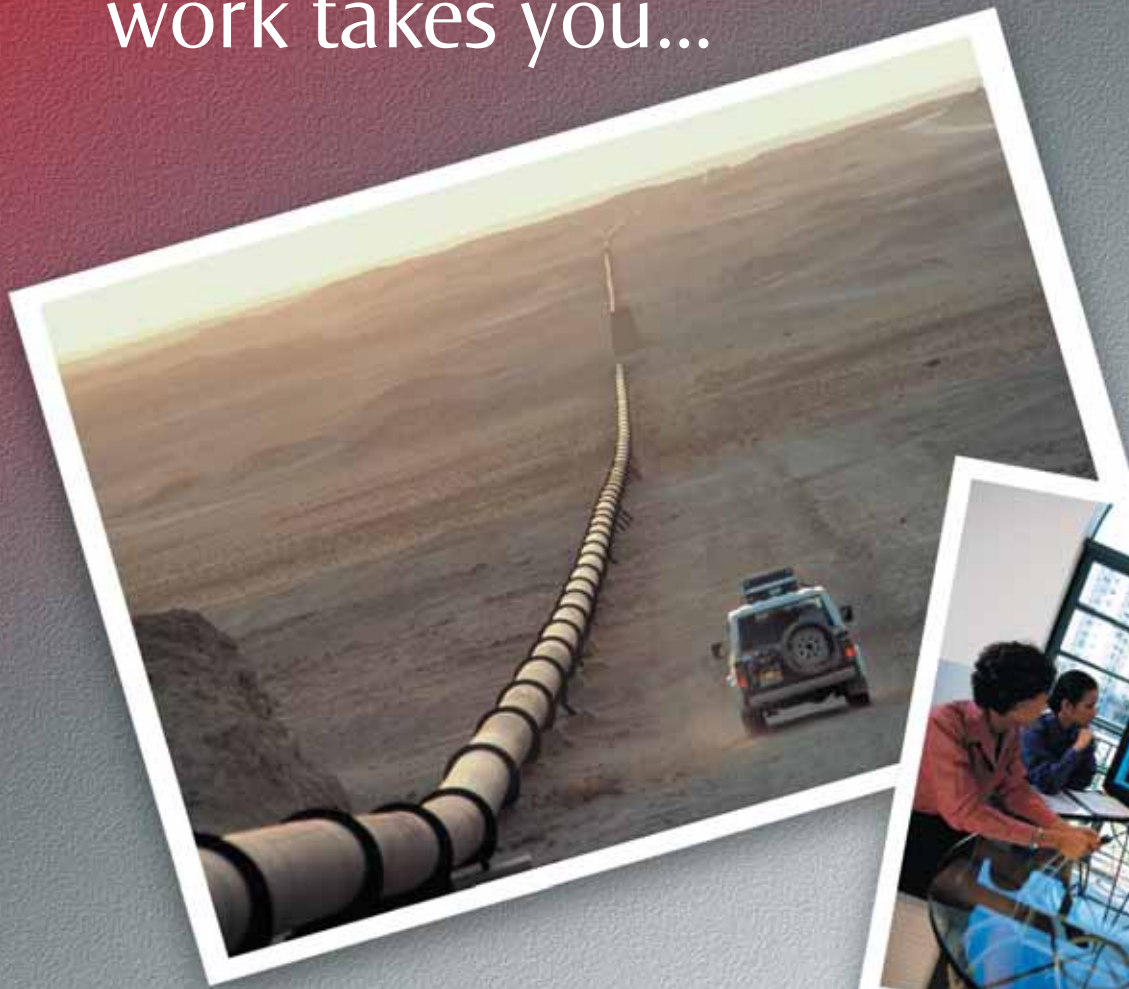


Wherever in the world
work takes you...



...it's business as usual

Nera WorldCommunicator

A world of communications in one portable solution



Whether you are in exploration, mining, construction, aid work, rescue or media, maintaining contact with the outside world is crucial.

Which is why Nera, the leader in mobile satellite communications equipment, has developed the Nera WorldCommunicator (NWC), a truly portable communication system for high-speed data and voice transmission.

A world of communications

As discreet and convenient as hand luggage, the Nera WorldCommunicator enables you to access the internet and send and receive e-mail, data files, fax and voice messages from one compact unit anywhere in the world. And where continuity of communication is vital, such as in airports and banks, the Nera WorldCommunicator also acts as an essential back-up in the event of land line failure.

Online all the time with Mobile Packet Data Service (MPDS)

With the Nera WorldCommunicator you will have at hand the essential business communications tools you depend upon everyday in your office.

You will also have access to the newly available Mobile Packet Data Service (MPDS).

MPDS BENEFITS

- Gives access to thousands of IP software applications
- Pay for data transmitted, not per minute online
- "Always On" – keep connected at no additional cost

MPDS ADVANTAGES

- Reduce cost for specific applications
- Access to www
- Immediate e-mail transfer
- Access to VPN

This gives you a world of online applications such as the internet, Virtual Private Network (VPN) and e-mail. The added bonus is that the service can be 'always on' because you only pay for the data transmitted and received, not for the time connected.



ACCESS TO WWW



ACCESS TO REMOTE MAINTENANCE/ DIAGNOSTIC



ACCESS TO FAMILY



ACCESS TO MEDIA





Compare the benefits

	NWC	VSAT	HF	GPRS	Terrestrial VPN
Data throughput	up to 128 kbps*	Typically 128 kbps	Typically 9.6 kbps	Typically 20 kbps	> 2 mbps
Packed Data enabled	YES	YES	NO	YES	YES
Set-up time	Minutes	Several days	Minutes to hours	Minutes	Up to several months
Coverage	Worldwide	Typically regional	Restricted to regional infrastructure	In selected cities	Restricted to available infrastructure
Investment needed (USD)	\$	\$\$	\$\$	\$	\$\$\$
Security	High	Medium	Low	High	High

Up to 128 kbps

By linking two units together you can double throughput to 128 kbps*, delivering large data transfer and video transmission at high speed. For maximum security, the Nera Worldcommunicator can be linked to propriety encryption devices, so even if you do encounter problems on site you can hold a secure off site conference instantly.

Global service and support

Every Nera WorldCommunicator is backed-up by Nera's unrivalled round the clock-around the world service and support network.

Simple to operate

Nera WorldCommunicator is fast and simple to use. The Windows based software is compatible with usual business applications on PCs, laptops and palmtops and peripheral devices simply plug in and play. Which means you can set up communications and receive a vital second opinion in minutes.

When the going gets rough

Nera WorldCommunicator is tough enough for any business. Manufactured from highly shock-absorbent polycarbonate, the advanced electronics are protected from rough handling and extreme climatic conditions. The robust construction and rugged transportation case ensures that the Nera WorldCommunicator is always ready for business so that any local disaster can become global news.

Competitive advantages

- Global coverage
- Up to 128 kbps*
- Large data file transfer
- High speed data through ordinary RS232 port
- Rapid internet access
- Instant video - conferences
- E-mail, voice and fax
- Dual powered by mains or battery
- Cordless phone base station
- Low capital outlay
- USB (Universal Serial Bus)
- Simcard Reader

**By linking two units together*

So wherever you are, whatever you do, with Nera WorldCommunicator it's business as usual.



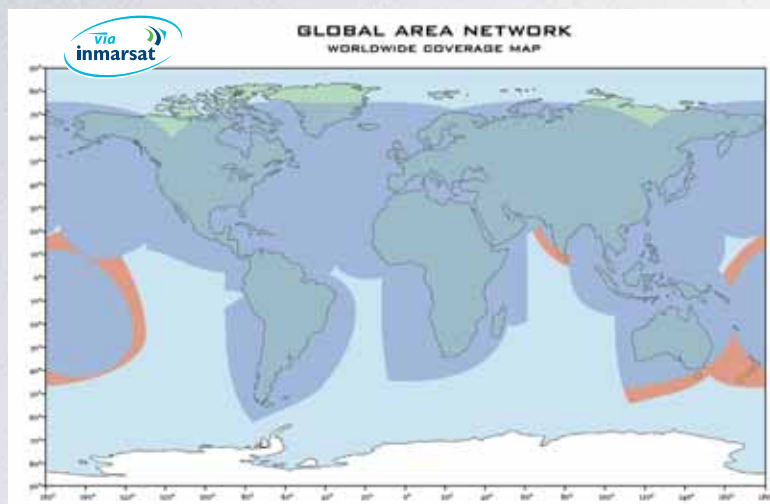
NERA

enabling a wireless future

High-quality coverage – anywhere on the planet.

Inmarsat's Global Area Network service 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 specifications

Key features

- 64 kbps data
- 4.8 kbps compressed voice (low cost)
- ISDN compatibility
- USB (Universal Serial Bus) interface
- MPDS (Mobile 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
Antenna folded out:
• H=340mm W=774mm D=10mm
Weight (incl. battery): 4.2 kg
Weight (excl. battery): 3.7 kg
Fixed antenna:
• H=535mm W=535mm D=52mm
Weight: 3.9 kg

Environmental conditions

Storage: -50°C - +80°C
Operational:
Antenna: -25°C - +55°C

Modem: -25°C - +55°C
Humidity: +40°C - 95%
ARU: IP 55
Modem: IP 53

Interfaces

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

External options

- Line adaptor 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



Fast battery charger



Battery pack



Nera handset



Cordless telephone



Fixed-mounted antenna



Car mounted antenna

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