

Nera WorldCommunicator Single Panel Antenna

Small, tough and lightweight

– the ideal solution for extremely harsh environments

At a glance

- Rugged, one-piece satellite antenna
- Portable, small and light
- Room for a modem and a variety of handsets
- Free-standing with option of pole mounting
- Carrying case included
- The complete solution in a single pack



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Nera WorldCommunicator Single Panel Antenna

The latest addition to the range of Nera WorldCommunicator antennas is ideally suited to users who need a rugged yet truly portable unit optimized for demanding conditions in the field.

Nera has built the Single Panel Antenna from one piece of material, making it exceptionally resistant to breaking. Retaining the rugged construction of Nera's existing antenna portfolio further reinforces the robustness of the Single Panel Antenna.

Nera's Single Panel Antenna is compatible with several handsets, including NSK200, ISDN HS and DECT handsets.

Lightweight and compact

The Single Panel Antenna is designed to be truly portable and freestanding for immediate connection to the satellite network at any location.

The versatile Nera WorldCommunicator Single Panel Antenna is also supplied with an incorporated mount for pole fixing that can withstand wind speeds of up to 180kph. This feature is ideal for field survey work where the antenna will be installed for just a few days before moving to a new location.

The Single Panel Antenna can be purchased worldwide as an add-on for existing Nera WorldCommunicator customers or together with the Nera WorldCommunicator modem for a complete solution for new customers.

Technical Specifications Nera WorldCommunicator Single Panel Antenna

Key Features

- 64 kbps Data UDI/56 kbps DATA
- 4.8 kbps Compressed Voice (low cost)
- 64 kbps Speech
- 3.1 kHz Audio
- ISDN Compatibility
- USB (Universal Serial Bus) Interface
- MPDS (Mobile Packet Data Service)
- SIM-Card Handling
- Call Logging
- Telephone Book
- Self Explanatory Man Machine Interface
- Built-In Lithium-ion Battery
- Graphical Back Light LCD Display
- Built-In DECT Base Station
- Shock-Absorbent Material
- Three Handset Options:
 - Rugged ISDN Handset
 - Simens DECT Phone
 - NSK 200 Crypto DECT

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
- Bonding Cable Solution makes 128 kbps speed possible
- Built In Crypt. DECT, supporting NSK 200

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 Single Panel

Dimensions:

- H=397mm W=397mm D=87mm
- Weight Antenna: 4.0 kg
- Weight Modem Incl. battery: 1.1 kg

Environmental Conditions

Storage:	-50°C - +80°C
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Operational:

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

Interfaces

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

External Options

- Line Adaptor for Analogue Devices
 - AC in 90-264V, 47-63Hz, 45W
 - DC out 19VDC
 - DC/DC Converter:
 - DC in 10-32VDC
 - DC out: 19VDC
- Modem and Antenna Separation: Up to 230 m

Power Consumption

Standby Time:	70 hours
4.8 kbps Voice:	9 hours
64 kbps Voice:	6 hours
64 kbps Data:	3 hours

Power

DC input:	19 VDC
Typical power consumption:	Transmit SCPC 38W, MPDS 40W
Standby power consumption:	4W
Max power consumption during charging:	30W

