



## NERA SATLINK 1000 Satellite Broadband Made Simple

For ISPs, operators and corporations looking to extend their broadband IP network with an interactive satellite solution, the **Nera SatLink 1000** is a cost-effective VSAT indoor unit providing fast, always-on connectivity supporting all applications used in terrestrial networks.

Fully compliant with the bandwidth efficient, open **DVB-RCS standard**, this next generation VSAT indoor unit can be configured with a range of outdoor units and antennas supporting Ku-, Ka-, C-band and other frequencies.

# NERA SATLINK 1000

## Satellite Broadband Made Simple

### RELIABLE BROADBAND CONNECTIVITY

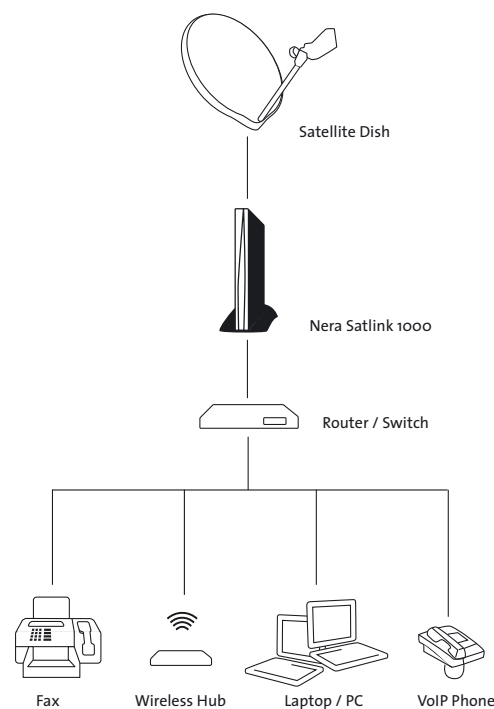
Ideally suited for a small office environment, the Nera SatLink 1000 delivers up to 4 Mbps IP throughput and 2 Mbps on the return link. This enables reliable connectivity to a variety of broadband services, such as Internet, VPN, Voice over IP or video conferencing.

### OPEN STANDARD

DVB-RCS is the only true open two-way satellite standard ensuring interoperability between equipment as well as vendor independence. DVB-RCS systems are extremely bandwidth efficient, resulting in much lower operating costs than traditional VSATs. Nera has been a driving force behind this globally adopted standard since its conception.

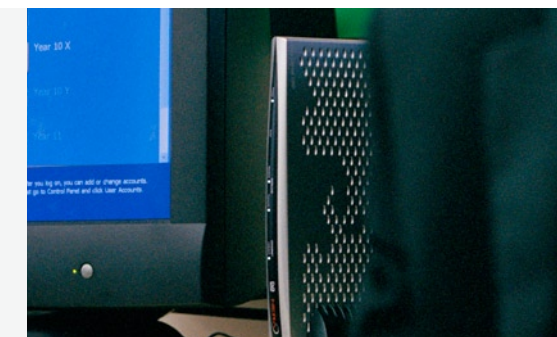
### REMOTE MANAGEMENT & EASY INSTALLATION

The Nera SatLink 1000 can be software upgraded over-the-air, making it very simple for an operator to add new system features to all user terminals remotely. During installation, a novel command interface allows the network operator to take full control of the line-up remotely, reducing installation time to a minimum. The indoor unit works with a variety of transceivers, LNBS and transmitters and supports enhanced DiSEqC.



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.

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## TECHNICAL SPECIFICATIONS

<b>Receive</b>		<b>ODU/IFL Interface</b>	
Modulation	QPSK	Input signal level	-65 to 0 dBm
Symbol Rates	1-45 Msps	Input frequency	950-2150 MHz
FEC Type	DVB-S Compliant (RSV) 1/2, 2/3, 3/4, 5/6, 7/8	RX Control channel	13/18 V and 0/22 kHz signalling
		RX Power supply	13/18 V, 300 mA max
<b>Transmit</b>		<b>ODU/RF Equipment</b>	
Modulation	QPSK	<b>KU-band / other frequency bands upon request</b>	
Symbol Rates	125-1200 ksps	BUC / Transceiver	Nera SatLink 4033 Transceiver
User Rates	Up to 2 Mbps	Antennas	0.75 – 2,4 meter (typical)
Frequency Hopping	Slow, within 36 MHz band	<b>Environment</b>	
Burst Profile	MPEG, ATM	Power supply	110-240 VAC, 50-60 Hz, external
MAC Format	SAC, DULM, Prefix	Power consumption	8 W (IDU only) 30 W transmitting at P1dB with Nera Satlink 4033
Capacity Request	CRA, RBDC, VBDC, FCA	Operating Temp / Storage Temp	0 to 45° / -20 to +85°
<b>Performance</b>		Humidity	20 to 90 % non-condensing
Throughput IP / MPEG-2	4 Mbps / 72 Mbps	Size	33 x 22 x 3.5 cm
<b>Protocol Support</b>		Weight	945 g
Standard	ARP, ICMP, IP, UDP, TCP, IGMP, DHCP, Server, IP, QoS, SNMP	<b>Compliance</b>	
SW Options	GRE, NAT, TCP/HTTP PEP	CE, ETSI	
<b>Management Interface</b>			
Network	Web, Telnet, SNMP		
Command Line	RS-232		
<b>Physical Interfaces</b>			
Network	Ethernet, 10/100 Base-T		
Serial Port	RS-232		
ODU/IFL	Dual cable, F-connector, 75 Ohm		