



NK8000  
MP4.10

## Product Datasheet

### NK8021 Analog Modem

- 
- V24/V28 Serial Interface Modem compatible to the following standards: V.90, V.34+, V.34, V.32bis, V.32, V.22bis, V.22, V.21
  - Provides backup dial-up connection (secondary connection) from NK8000 Ethernet Port units to Management Stations if primary IP network is down
  - Provides primary dial-up connection from NK8000 Ethernet Port units to Management Stations if no IP network is present
  - Automatically detects the correct modulation scheme – V.90 in multistandard mode

## Technical data

### Features

Mountable in all NE8000 cabinets using holder brackets (included)



- Multistandard modem V.90, V.34+, V.34, V.32bis, V.32, V.22bis, V.22, V.21
- Line speeds (bps): 300 – 33600
- DTE Autospeed up to 115200 bps
- Asynchronous format 8, 9, 10, 11 bit
- Data compression according to MNP5 and V.42 bis
- V54 diagnostics
- AT command set
- Pan European CTR21 approval
- DTMF and pulse dialling
- Automatic answering
- Upgradeable firmware on Flash memory
- Error correction according to MNP2-4 and ITU-T V.42

### Connectors

- 4-pin screw terminal connector for power supply
- 10-pin screw terminal connector for RS232 line or via included cable with D-Sub 9 pin, male type (cable length 30cm)

### Power Supply

Input voltage	12Vdc
Input current	200mA

### Environmental limits

Operation:	+0 ... +45 °C
Humidity:	20 ... 80%, non condensing
<b>Caution:</b> Avoid rapid changes in temperature / humidity (0.03°C/min)	
<b>Note:</b> This equipment, including cables, should be installed in an area free from:	
–	Dust, humidity, heat from direct sun light.
–	Objects which irradiate heat. These could cause damage to the container or other problems.
–	Objects which produce a strong electromagnetic field (loudspeakers, etc.)
–	Liquids or chemical corrosive substances.

### Dimensions

Modem provided with metallic plate	100(W) x 150(H) x 18(D)
------------------------------------	-------------------------

### Weight

Modem and plate	0.186kg
-----------------	---------

### Approval

CE

### Disposal



This device includes electrical and electronic components and must not be disposed of as domestic waste. **Current local legislation must be observed.**

## Related documentation

### NE8000 Datasheet

Sales material binder Section 2	Document no.: A6V10062421	NE8001/NE8002 Housing Solutions for NK822x
---------------------------------	---------------------------	--

### NK8000 Technical manual

Technical material binder Section 2	Document no.: A6V10062437	NK8000 Installation, Function & Configuration, Commissioning, Safety Regulations
-------------------------------------	---------------------------	--

## Ordering information

<b>NK8021 Analog modem</b>	A6E600245	NK8021	Analog modem for public switched telephone network (PSTN)
----------------------------	-----------	--------	---

## Related Products

<b>NK8223 Ethernet port NK8225 Ethernet port with BACnet gateway</b>	A6E600005	NK8223.2	– 1 Ethernet line for remote host
	A6E600303	NK8225.2	– 2 serial lines for subsystems / local host / modem
	A6E600006	NK8223.4	– 1 Ethernet line for remote host
	A6E600304	NK8225.4	– 4 serial lines for subsystems / local host / modem
<b>NK8222 Ethernet port for a single subsystem</b>	A6E600007	NK8223.CL2	– 1 Ethernet line for remote host
	A6E600305	NK8225.CL2	– 1 LON line for subsystems – 2 serial lines for subsystems / local host / modem
	A6E600008	NK8223.CL4	– 1 Ethernet line for remote host
	A6E600306	NK8225.CL4	– 1 LON line for subsystems – 4 serial lines for subsystems / local host / modem
<b>NE8000 NE8001</b>	A6E600089	NK8222.2	– 1 Ethernet line for remote host – 2 serial lines for a single subsystem / local host / modem
	A6E600090	NK8222.CL2	– 1 Ethernet line for remote host – 1 LON line for a single subsystem – 2 serial lines for a single subsystem / local host / modem
<b>NE8000 NE8002</b>	A6E600066	Wall-mountable, metallic cabinet with DIN-rail	The unit includes a pre-wired power supply unit Input: 220Vac; output: 12Vdc 3A
<b>DF8090 Power supervision</b>	A6E600010	DF8090	Power supervision module for I2C bus
<b>DF8020 8-output module</b>	A6E600195	DF8020	8-relay output module for I2C bus
<b>DF8040 8-input module</b>	A6E600194	DF8040	8-input module (non supervised) for I2C bus

Siemens Switzerland Ltd  
Building Technologies Group  
International Headquarters  
Fire Safety & Security Products  
Gubelstrasse 22  
CH-6301 Zug  
Tel +41 41 724 24 24  
Fax +41 41 724 35 22  
[www.sbt.siemens.com](http://www.sbt.siemens.com)

© 2007 Copyright by  
Siemens Switzerland Ltd  
Data and design subject to change without notice.  
Supply subject to availability.