



NK8000
MP4.20

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
Caution: Avoid rapid changes in temperature / humidity (0.03°C/min)
Note: 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)
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Weight

Modem and plate	0.186kg
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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
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NK8000 Technical manual

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

NK8021 Analog modem	A6E600245	NK8021	Analog modem for public switched telephone network (PSTN)
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Related Products

NK8235 Ethernet port	S54461-C2-A1	NK8235.2	– 1 Ethernet line for remote host – 2 serial lines for subsystems / modem
	S54461-C2-A2	NK8235.4	– 1 Ethernet line for remote host – 4 serial lines for subsystems / modem
NK8232 Ethernet port for a single subsystem	S54461-C2-A3	NK8232.2	– 1 Ethernet line for remote host – 2 serial lines for a single subsystem / local host / modem
NK8225 Ethernet port	A6E600303	NK8225.2	– 1 Ethernet line for remote host – 2 serial lines for subsystems / local host / modem
	A6E600304	NK8225.4	– 1 Ethernet line for remote host – 4 serial lines for subsystems / local host/ modem
	A6E600305	NK8225.CL2	– 1 Ethernet line for remote host – 1 LON line for subsystems – 2 serial lines for subsystems / local host/ modem
	A6E600306	NK8225.CL4	– 1 Ethernet line for remote host – 1 LON line for subsystems – 4 serial lines for subsystems / local host / modem
NK8223 Ethernet port	A6E600005	NK8223.2	– 1 Ethernet line for remote host – 2 serial lines for subsystems / local host / modem
	A6E600006	NK8223.4	– 1 Ethernet line for remote host – 4 serial lines for subsystems / local host/ modem
	A6E600007	NK8223.CL2	– 1 Ethernet line for remote host – 1 LON line for subsystems – 2 serial lines for subsystems / local host/ modem
	A6E600008	NK8223.CL4	– 1 Ethernet line for remote host – 1 LON line for subsystems – 4 serial lines for subsystems / local host / modem
NK8222 Ethernet port for a single subsystem	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
NE8000 NE8001	A6E600066	Wall-mountable, metallic cabinet with DIN-rail	The unit includes a pre-wired power supply unit Input: 220Vac; output: 12Vdc 3A
NE8000 NE8002	A6E600067	Wall-mountable, metallic cabinet with DIN-rail	Cabinet only: 385(W) x 450(H) x 140(D) mm; RAL7035 light grey; IP-42 (as S3G300 standard Quarto housing)
DF8090 Power supervision	A6E600010	DF8090	Power supervision module for I2C bus
DF8020 8-output module	A6E600195	DF8020	8-relay output module for I2C bus
DF8040 8-input module	A6E600194	DF8040	8-input module (non supervised) for I2C bus

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