SNL2-E – Serial Network Link

SNL2-E Ethernet/RS232/RS485 Gateway

Description

SNL2-E – the optimal solution for connection of serial interfaces and Ethernet networks of up to 100 Mbit/s.

SNL2-E allows the connection of two serial end devices. The serial interfaces can be configured via software as RS232- or RS422/RS485 interfaces. Also, a mixed operation mode is possible.

In addition, for operating the RS485 bus, terminating resistors can be switched on via software. Operation in TTY mode can be realized by means of an external adapter.

Both interfaces support full duplex DMA mode operation. In synchronous operation mode, rates of up to 1 Mbit/s can be reached.

The protocol firmware is loadable. The serial interfaces can be run completely independent from each other. On every serial interface a different protocol driver can be loaded and run.

The following protocols are supported:

- COMDRV (3964R, S5) RK 512
- UNIDRV (XON/XOFF/LAUF)
- SINEC-L1

DF-compatible driver interface
For Windows, as well as UNIX operating systems the DF-board compatible interface allows the replacement of an existing DF-board by an SNL2-E module without any changes in the application software. Compared to solutions based on conventional PC communication boards, SNL2-E offers completely new aspects for the connection of PC-based systems:

- Hardware/driver installation with its typical problems is bypassed.
- Access to the serial interface is possible from every PC in the network.
- Trouble-free integration of lower automation levels into the control and design level.

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Technical Data

Interfaces	Ethernet	10/100 BaseT
	Serial	2 x RS232/RS485 (SUB-D 15 pole) 1 x RS232 (screw terminal, configuration interface)
Baud Rates	Ethernet	max. 100 Mbit/s
	Serial RS232	1 Mbit/s synchronous , 38,4 Kbit/s asynchronous
	Serial RS485	1 Mbit/s synchronous , 38,4 Kbit/s asynchronous
	RS232 configuration interface	19,2 Kbit/s asynchronous
Supported Protocols	COMDRV (3964R, S5) RK 512, UNIDRV (XON/XOFF/LAUF), SINEC-L1	

The product is designed in a way that it can only be used as part of large scale stationary industrial tools or large scale fixed installations and can fulfil its function only as part of such equipment. The product, therefore, claims to fall under article 2, para. 4 (c) of the EC Directive 2011/65/EU.

Order Numbers

Order No.	Item
4000-2-S 0 0 -H-*	**SNL2-E Hardware**
4000-2-S □□ -3-*	**Board Driver / Protocol Driver**
D	LINUX board driver
A	COMDRV (3964R, S5) RK512 protocol driver
L	SINEC-L1 protocol driver
M	Windows 2000/XP board driver
A	COMDRV (3964R, S5) RK512 protocol driver
B	UNIDRV (XON/XOFF/LAUF) protocol driver
L	SINEC-L1 protocol driver
	Additional Equipment
4000-2-4 0 1 -H	RS232 adapter line from 15 to25 pins (0.2 m) in pairs
4000-2-4 0 3 -H	V11/TTY adapter
4000-7-0 0 4 -S	Serial cable set for SNL2-E
4000-7-0 0 5 -S	Ethernet cross-over cable
4000-7-0 0 S -H	Power supply 24 V / 1,3 A with 100 - 240 V power boost for up to 2 SNL2-E/FNL/PRS
4000-7-0 1 S -H	Power supply 24 V / 2 A with 100 - 240 V power boost for up to 5 SNL2-E/FNL/PRS

* Please complete the order number either with E for a documentation in English or D for a documentation in German.