

Product type designation

IE/PB LINK PN IO

IE/PB LINK PN IO gateway between Ind. Ethernet and PROFIBUS with PROFINET IO Functionality S7 routing and data record routing, 10/100 Mbit/s Fast Ethernet, MRP, 9.6 kbit/s up to 12 Mbit/s PROFIBUS, NTP.



Transmission rate

Transfer rate

- | | |
|-------------------------------------------|--------------------------|
| • for Industrial Ethernet | 10 ... 100 Mbit/s |
| • at the 1st interface / acc. to PROFIBUS | 9.6 kbit/s ... 12 Mbit/s |

Interfaces

Number of interfaces / acc. to Industrial Ethernet	1
Number of electrical connections	
• at the 1st interface / acc. to Industrial Ethernet	2
• at the 1st interface / acc. to PROFIBUS	1
• for power supply	2
Type of electrical connection	
• at the 1st interface / acc. to PROFIBUS	9-pin Sub-D socket (RS485)
• at the 1st interface / acc. to Industrial Ethernet	RJ45 port
• for power supply	4-pole terminal block
design of the removable storage / C-PLUG	Yes

Supply voltage, current consumption, power loss

Type of voltage / of the supply voltage	DC
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Supply voltage / external	24 V
Supply voltage / external / at DC / Rated value	24 V
Relative positive tolerance / at DC / at 24 V	20 %
Relative negative tolerance / at DC / at 24 V	15 %
Consumed current	
• from external supply voltage / at DC / at 24 V / typical	0.2 A
• from external supply voltage / at DC / at 24 V / maximum	0.3 A
Power loss [W]	4.8 W

Permitted ambient conditions

Ambient temperature	
• for vertical installation / during operation	0 ... 40 °C
• for horizontally arranged busbars / during operation	0 ... 60 °C
• during storage	-40 ... +70 °C
• during transport	-40 ... +70 °C
Relative humidity / at 25 °C / without condensation / during operation / maximum	95 %
Protection class IP	IP20

Design, dimensions and weight

Width	100 mm
Height	117 mm
Depth	74 mm
Net weight	0.6 kg
Mounting type	
• 35 mm DIN rail mounting	Yes

Performance data / PROFIBUS DP

Service / as DP master	
• DPV1	Yes
Number of DP slaves / on DP master / usable	65
Amount of data	
• of the address area of the inputs / as DP master / total	2048 byte
• of the address area of the outputs / as DP master / total	2048 byte
• of the address area of the inputs / per DP slave	244 byte
• of the address area of the outputs / per DP slave	244 byte

Performance data / S7 communication

Number of possible connections / for S7 communication	
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- maximum

32

Performance data / multi-protocol mode

Number of active connections / with multi-protocol mode 48

Performance data / PROFINET communication / as PN IO-Device

Product function / PROFINET IO device Yes

Performance data / telecontrol

Protocol / is supported

- TCP/IP Yes

Product function / MIB support Yes

Protocol / is supported

- SNMP v1 Yes
- DCP Yes
- LLDP Yes

Identification & maintenance function

- I&M0 - device-specific information Yes
- I&M1 – higher-level designation/location designation Yes
- I&M3 - comment Yes

Product functions / switch

Product feature / Switch Yes

Product function

- Configuration with STEP 7 Yes

Product functions / Routing

Service / as PROFIBUS / dataset routing Yes

Number of possible connections / with dataset routing / maximum 32

Product functions / Redundancy

Product function

- Ring redundancy Yes

Protocol / is supported / Media Redundancy Protocol (MRP) Yes

Product functions / Time

Product function / SICLOCK support Yes

Product function / pass on time synchronization Yes

Protocol / is supported

- NTP Yes

Accessories

Further Information / Internet Links

Internet-Link

- to website: Selector SIMATIC NET SELECTION TOOL
- to website: Industrial communication
- to website: Industry Mall
- to website: Information and Download Center
- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<http://www.siemens.com/snst>

<http://www.siemens.com/simatic-net>

<https://mall.industry.siemens.com>

<http://www.siemens.com/industry/infocenter>

<http://automation.siemens.com/bilddb>

<http://www.siemens.com/cax>

<https://support.industry.siemens.com>

Security information

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