

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

SIEMENS SCALANCE

6GK1411-5AB10

SIMATIC NET COMMUNICATION PROCESSOR

Applicable product family: SIMATIC S7 industrial networks

OFFICIAL SOURCE

6GK1411-5AB10.pdf

The following pages are selected from the supplied manufacturer document and retain their original page content.

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

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
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Performance data / PROFINET communication / as PN IO-Device

Product function / PROFINET IO device	Yes
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Performance data / telecontrol

Protocol / is supported	
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- TCP/IP
- Yes

Product function / MIB support	Yes
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Protocol / is supported	
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- SNMP v1
- Yes

- DCP
- Yes

- LLDP
- Yes

Identification & maintenance function	
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- 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
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Product function	
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- Configuration with STEP 7
- Yes

Product functions / Routing

Service / as PROFIBUS / dataset routing	Yes
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Number of possible connections / with dataset routing / maximum	32
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Product functions / Redundancy

Product function	
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- Ring redundancy
- Yes

Protocol / is supported / Media Redundancy Protocol (MRP)	Yes
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Product functions / Time

Product function / SICLOCK support	Yes
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Product function / pass on time synchronization	Yes
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Protocol / is supported	
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- 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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