

SIMATIC PN/CAN LINK Gateway from Profinet to CAN or CANopen networks CAN 2.0A/B CANopen Manager to CiA301/302 CANopen Slave to CiA301/302 IP20



General information

Product type designation	PN/CAN Link
Firmware version	
<ul style="list-style-type: none"> FW update possible 	Yes
Vendor identification (VendorID)	ID 03 00 00 53h acc. to CiA
Engineering with	
<ul style="list-style-type: none"> STEP 7 TIA Portal configurable/integrated as of version 	STEP 7 V14 or higher

Installation type/mounting

Mounting	DIN rail, wall mounting, portrait mounting
Mounting position	Any
Recommended mounting position	Horizontal

Supply voltage

Type of supply voltage	24 V DC
Rated value (DC)	24 V
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V
Reverse polarity protection	Yes

Overvoltage protection	Yes
Short-circuit protection	Yes
Mains buffering	
• Mains/voltage failure stored energy time	10 ms

Input current	
Current consumption (rated value)	0.09 A
Current consumption, max.	0.11 A

Power loss	
Power loss, typ.	2.2 W

Interfaces

Interfaces/bus type	2x Ethernet (RJ45), 1x Sub-D (9-pin)
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Supports protocol for PROFINET IO	
• automatic detection of transmission rate	No
• Transmission rate, max.	100 Mbit/s
• Number of RJ45 ports	2
• Number of FC (FastConnect) connections	2

PROFINET functions	
• Assignment of the IP address, supported	Yes
• Assignment of the device name, supported	Yes

CAN	
• CAN operating modes	CAN Standard CAN 2.0A/B; CANopen Manager / Slave acc. to CiA
• Specification acc. to CiA	CiA 301 & CiA 302
• Transmission rate, min.	50 kbit/s
• Transmission rate, max.	1 000 kbit/s
• Number of slaves, max.	126
• Number of SDOs in parallel	16; Parallel
• Number of PDOs	512; Send / receive

Services	
— Node/life-guarding	Yes
— Heartbeat	Yes
— SYNC	Yes

1. Interface

Interface type	CAN according to CiA 303-1
Physics	9-pin sub D socket
Isolated	Yes; 500 V AC or 707 V DC
Interface types	
• Number of ports	1

2. Interface

Interface type	PROFINET
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Physics	Ethernet, 2-port switch, 2*RJ45
Isolated	Yes; 1 500 V AC or 2 250 V DC
Interface types	
• Number of ports	2
• integrated switch	Yes
Protocols	
• PROFINET IO Device	Yes
Interrupts/diagnostics/status information	
Status indicator	Yes
Alarms	Yes
Diagnostics function	Yes
Diagnostics indication LED	
• RUN LED	Yes
• ERROR LED	Yes
• MAINT LED	Yes
• LINK LED	Yes
• RX/TX LED	Yes
Potential separation	
Potential separation exists	Yes
Degree and class of protection	
Degree of protection acc. to EN 60529	IP20
Standards, approvals, certificates	
CE mark	Yes
UL approval	Yes
cULus	Yes
RCM (formerly C-TICK)	Yes
KC approval	Yes
EAC (formerly Gost-R)	Yes
PNO certificate	Yes
RoHS conformity	Yes
Marine approval	
• Germanischer Lloyd (GL)	Yes
• American Bureau of Shipping (ABS)	Yes
Ambient conditions	
Ambient temperature during operation	
• horizontal installation, min.	-25 °C
• horizontal installation, max.	60 °C
• vertical installation, min.	-25 °C
• vertical installation, max.	55 °C
• ceiling installation, min.	-25 °C

- ceiling installation, max. 45 °C
- floor installation, min. -25 °C
- floor installation, max. 45 °C

Ambient temperature during storage/transportation

- min. -40 °C
- max. 85 °C

Relative humidity

- Operation, max. 95 %

Software

Runtime software

Target system

- ET 200SP Yes
- Open Controller Yes
- S7-1200 Yes
- S7-1500 Yes

Dimensions

Width	70 mm
Height	112 mm
Depth	75 mm

Weights

Weight, approx.	212 g
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last modified: 02/13/2019