

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
Product function	
<ul style="list-style-type: none"> I&M data 	Yes; I&M0 to I&M3
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)
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
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
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Degree and class of protection

Degree of protection acc. to EN 60529	IP20
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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

last modified: 03/16/2020