



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	V2.0.0
<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 from version 	STEP 7 V14 or higher
Installation type/mounting	
Mounting	DIN rail, wall mounting, portrait mounting
Mounting position	any
Recommended mounting position	Horizontal
Rail mounting	Yes
Control cabinet installation	Yes
Supply voltage	
Type of supply voltage	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	
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> automatic detection of transmission rate 	No
<ul style="list-style-type: none"> Transmission rate, max. 	100 Mbit/s
<ul style="list-style-type: none"> Number of RJ45 ports 	2
<ul style="list-style-type: none"> Number of FC (FastConnect) connections 	2
PROFINET functions	
<ul style="list-style-type: none"> Assignment of the IP address, supported 	Yes
<ul style="list-style-type: none"> Assignment of the device name, supported 	Yes

1. Interface	
Interface type	CAN according to CiA 303-1
Isolated	Yes; 500 V AC or 707 V DC
Interface types	
<ul style="list-style-type: none"> Number of ports 	1
<ul style="list-style-type: none"> Design of the connection 	9-pin sub D socket
CAN	
<ul style="list-style-type: none"> CAN operating modes 	CAN Standard CAN 2.0A/B; CANopen Manager / Slave acc. to CiA
<ul style="list-style-type: none"> Specification acc. to CiA 	CiA 301 & CiA 302
<ul style="list-style-type: none"> Transmission rate, min. 	50 kbit/s
<ul style="list-style-type: none"> Transmission rate, max. 	1 000 kbit/s
<ul style="list-style-type: none"> Number of slaves, max. 	126
<ul style="list-style-type: none"> Number of SDOs in parallel 	16; Parallel
<ul style="list-style-type: none"> Number of PDOs 	512; Send / receive
Services	
<ul style="list-style-type: none"> Node/life-guarding 	Yes
<ul style="list-style-type: none"> Heartbeat 	Yes
<ul style="list-style-type: none"> SYNC 	Yes
2. Interface	
Interface type	PROFINET
Isolated	Yes; 1 500 V AC or 2 250 V DC
Interface types	
<ul style="list-style-type: none"> RJ 45 (Ethernet) 	Yes
<ul style="list-style-type: none"> Number of ports 	2
<ul style="list-style-type: none"> integrated switch 	Yes
Protocols	
<ul style="list-style-type: none"> PROFINET IO Device 	Yes
Interrupts/diagnostics/status information	
Status indicator	Yes
Alarms	Yes
Diagnostics function	Yes
Diagnostics indication LED	
<ul style="list-style-type: none"> RUN LED 	Yes
<ul style="list-style-type: none"> ERROR LED 	Yes
<ul style="list-style-type: none"> MAINT LED 	Yes
<ul style="list-style-type: none"> LINK LED 	Yes
<ul style="list-style-type: none"> RX/TX LED 	Yes
Potential separation	
Potential separation exists	Yes
Degree and class of protection	
IP degree of protection	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	
<ul style="list-style-type: none"> Germanischer Lloyd (GL) 	Yes
<ul style="list-style-type: none"> American Bureau of Shipping (ABS) 	Yes
<ul style="list-style-type: none"> Bureau Veritas (BV) 	Yes
<ul style="list-style-type: none"> Lloyds Register of Shipping (LRS) 	Yes
<ul style="list-style-type: none"> Nippon Kaiji Kyokai (Class NK) 	Yes
Ambient conditions	
Ambient temperature during operation	
<ul style="list-style-type: none"> horizontal installation, min. 	-25 °C
<ul style="list-style-type: none"> 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:

8/20/2023 