



Features

- ✓ CANopen Master according to CANopen® protocol DSP 301
- ✓ Up to 126 CANopen slaves with up to 16 TPDOs / 16 RPDOs each
- ✓ Up to 1420 bytes input and 1420 bytes output data on PROFINET
- ✓ Up to 1 Mbit/s CAN bit rate
- ✓ Heartbeat, Nodeguarding, SYNC
- ✓ PROFINET Conformance Class C
- ✓ Media redundancy (MRP client)
- ✓ Configuration via GSDML file
- ✓ No handling blocks or parameterization software necessary
- ✓ USB device interface for online diagnosis and firmware update

PROFINET/CAN-Gateway, CANopen Master

With the PN/CAN gateway an easy and uncomplicated connection of CAN devices to a PROFINET network is possible.

The PN/CAN gateway CANopen represents a full-featured CANopen master. As a master, the gateway supports network management, SYNC telegrams, nodeguarding/heartbeat for monitoring the nodes and LSS services. Up to 16 PDOs can be configured per CANopen slave. The parameterization of the CANopen nodes via SDO telegrams and the management of emergency messages is also possible.

On the PROFINET network, the PN/CAN gateway is a PROFINET I/O device and supports transmission rates of up to 100 Mbit full duplex; on the CAN bus, up to 1 Mbit/s is supported.

The I/O data of the CAN nodes are mapped transparently and freely configurable into the PROFINET network and can thus be processed directly in the PLC. The PN/CAN gateway is integrated into the hardware configurator with a GSDML file and can be fully configured there. Further software tools for parameterization, or handling blocks for programming, are not necessary, which makes the use of the gateway uncomplicated.

The features MRP (media redundancy) as well as extensive diagnostic functions and an interface for online diagnostics complete the performance characteristics of the PN/CAN gateway.

General information

Order number

700-670-PNC01

Article name	PN/CAN gateway, PROFINET/CANopen Master
Scope of delivery	PN/CAN-Gateway with power plug
Dimensions (DxWxH)	35 x 84 x 76 mm
Weight	Approx. 160 g

PROFINET interface (X1)

Number	1
Connection	2x RJ45, integrated switch
Protocol	PROFINET IO as defined in IEC 61158-6-10
Transmission rate	100 Mbps
I/O image size	max. 1440 bytes of input / 1440 of output data
Features	Media redundancy (MRP),
	automatic addressing,
	topology detection (LLDP, DCP),
	diagnosis alarms
	PROFINET conformance class C

CAN interface

Number	1
Type	ISO/DIN 11898-2 CAN High Speed physical Layer
Connection	SUB-D connector, 9 pin, male
Transmission rate	10, 50, 100, 125, 250, 500, 800, 1000 Kbit/s
Protocol	CANopen® Master according to DSP301 V4.2
TPDOs	16 per Slave
RPDOs	16 per Slave
Features	up to 126 Slaves
	Heartbeat
	Nodgurading
	Sync

USB interface

Protocol	Full-speed USB 2.0 device
Connection	USB-C
Electrical isolation	500 V

Status indicator

Function status	4 LEDs bi-color
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Ethernet status	4 LEDs
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Power supply

Operating supply	24 V DC, 18–30 V DC
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Current draw	Max. 150 mA with 24 V DC
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Power dissipation	4 W
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Ambient conditions

Ambient temperature	-20 °C ... +60°C
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Transport and storage temperature	-20 °C ... +80 °C
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Relative air humidity	95 % r H without condensation
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Protection rating	IP20
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Mounting position	as desired
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Pollution degree	2
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Approvals	CE
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Änderungen und Irrtümer vorbehalten