



Features

- ✓ CANopen Slave Device according to CANopen protocol DSP 301
- ✓ Up to 16 TPDOs / 16 RPDOs
- ✓ Up to 1420 bytes input and 1420 bytes output data on PROFINET
- ✓ Up to 1 Mbit/s CAN bit rate
- ✓ CANopen NMT, Heartbeat, Nodeguarding, Emergency
- ✓ PROFINET Conformance Class C
- ✓ PROFINET media redundancy (MRP client)
- ✓ Configuration via EDS/DCF file and GSDML file
- ✓ No handling blocks necessary
- ✓ USB device interface for loading the configuration, online diagnosis and firmware update

PROFINET / CAN-Gateway CANopen Slave

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

The PN/CAN gateway "CANopen Slave" enables the coupling of machines with CANopen bus to machines with PROFINET network and represents a freely configurable full CANopen Slave Device at the CAN bus.

On the PROFINET network the PN/CAN gateway "CANopen Slave" is a PROFINET I/O device and supports transfer rates up to 100 Mbit full duplex. The data of the CANopen SDOs are transparently and freely configurably

inserted into the PROFINET network and can thus be read or written directly in the PLC. The PN/CAN gateway is integrated into the hardware configurator of the PROFINET controller with a GSDML file, and all values of the CANopen slave are available as IO information. Special handling blocks are not necessary.

An EDS or DCF file is used to permanently load a plant-specific CANopen device configuration into the device.

The gateway supports CANopen network management, nodeguarding/heartbeat,

emergencies and SDO accesses on the CAN bus. Up to 16 RX- and Tx-PDOs can be parameterized.

It is also possible to parameterize the CANopen device including PDO mapping via the CAN bus and to send customer specific emergency messages.

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

General information

Order number	700-672-PNC01
Article name	PN/CAN gateway, CANopen Slave
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

Electrical isolation	500 V
----------------------	-------

CAN interface

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

USB interface

Protocol	Full-speed USB 2.0 device
Connection	USB-C

Status indicator

Function status	4 LEDs bi-color
Ethernet status	4 LEDs

Power supply

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

Ambient conditions

Ambient temperature	0 °C ... +60 °C
Transport and storage temperature	-20 °C ... +80 °C
Relative air humidity	95 % r H without condensation
Pollution degree	2
Protection rating	IP20
Approvals	CE