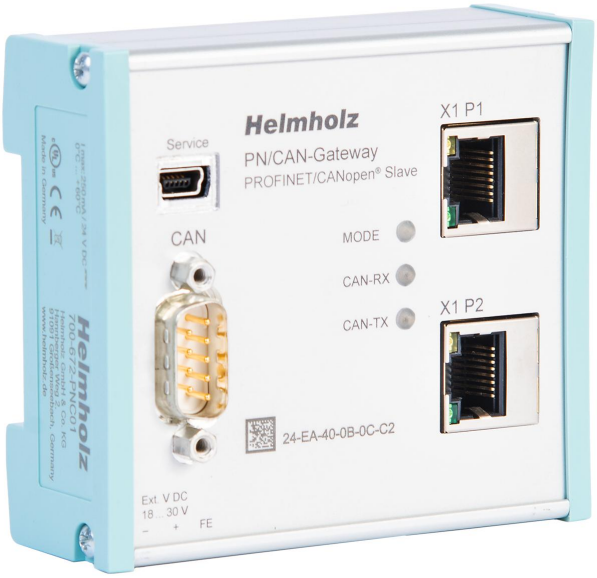
# 700-672-PNC01




## PROFINET / CAN-Gateway
### CANopen Slave

- 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

## Info

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.

## Technical data

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|---|---|
| **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), |
| **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 |
| **USB interface** | |
| Protocol | Full-speed USB 2.0 device |
| Connection | USB-C |
| Electrical isolation | 500 V |
| **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 | -20 °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 |