



PN/CAN Gateway

The PN/CAN gateway connects CANopen® devices in a PROFINET network. At the same time, it is a full-fledged CANopen® master. As the master, it supports gateway network management, SYNC telegrams, and node guarding / heartbeat for monitoring the participants.

On the PROFINET network, the PN/CAN gateway is a PROFINET IO device that supports transfer rates up to 100 Mbps full duplex, and on the CAN bus up to 1 Mbps is supported.

The IO data (PDOs) of the CANopen® participants is transparently displayed in a freely configurable manner in the PROFINET network and can be processed directly in the PLC.

The PN/CAN gateway is integrated with a GSDML file in the hardware configurator and can be completely configured there.

Other software tools for parameterization or handling blocks for programming are not required.

Parameterization of the CANopen® participants using SDO telegrams and management of emergency messages is also possible.

**Device variants with CAN Layer 2 and CANopen® Slave are in development.**

## FEATURES

- PROFINET IO device as per IEC 61158-6-10
- Integrated 2-port switch
- Full duplex 100 Mbps transmission rate
- Conformance class B
- Media Redundancy Protocol (MRP)
- Up to 127 CANopen® participants
- Up to 1 Mbps CAN baud rate
- Easy configuration via GSDML file, no handling blocks or parameterization software necessary
- CANopen® master and CAN layer 2 possible
- Up to 16 PDOs per CANopen® slave
- SDO communication, emergency messages, participant monitoring with heartbeat and node guarding
- Extensive diagnostic functions
- 3 two-color status LEDs
- USB interface for online diagnostics and firmware update
- DIN rail mounting

## TECHNICAL DATA

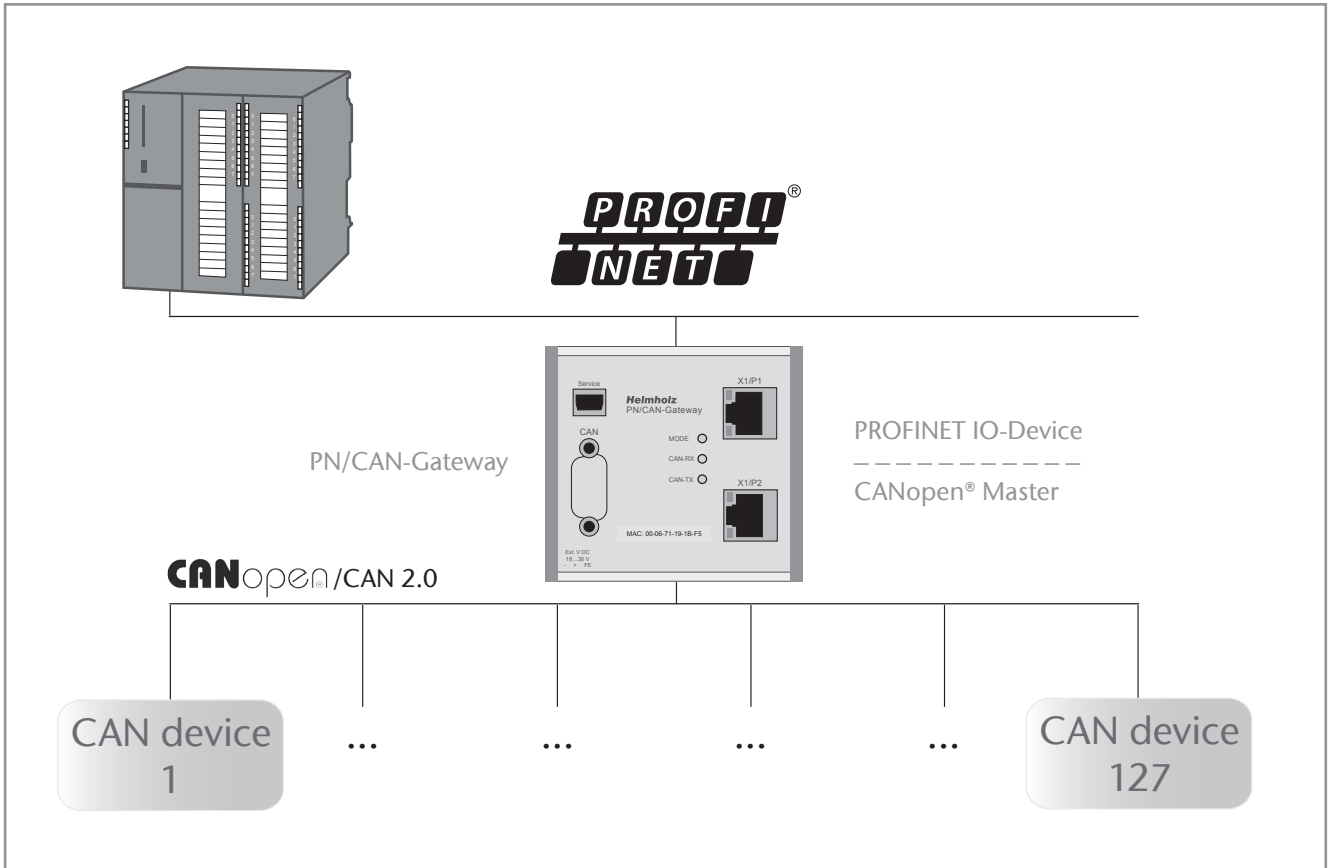
Dimensions in mm (D x W x H)	35 x 83 x 72
Weight	Approx. 160 g
<b>Power supply</b>	
Voltage	24 V
Current draw	max. 250 mA
<b>CAN interface</b>	
Type	ISO/DIN 11898-2 CAN high-speed physical layer
Transmission rate	10 kbps to 1 Mbps
Protocol	CANopen® master
Connector	Connector, SUB-D, 9-pin
<b>PROFINET interfaces</b>	
Protocol	PROFINET IO as per IEC 61158-6-10
Physical layer	Ethernet
Transmission rate	100 Mbps, full-duplex
I/O image size	Up to 1440 bytes
Connector	2 x RJ45, integrated switch
Features	Conformance class B, Media Redundancy Protocol (MRP), automatic addressing / topology detection (LLDP, DCP)
Status indicator	3 two-color LEDs
Ambient temperature	0 °C ... +60 °C
Transport and storage temperature	-25 °C ... +75 °C
Protection rating	IP 20

## ORDERING DATA

**PN/CAN gateway, PROFINET/CANopen®**  
(incl. Quick Start Guide, CD with GSDML file  
and manual)

## ORDER NO.

**700-670-PNC01**



Application example for PN/CAN gateway