

CANopen-PN/2

PROFINET® IO Device to CANopen® Manager Gateway



Supports up to 126 CANopen Nodes with up to 14 RPDOs and TPDOs

- Up to 1440 bytes input and 1440 bytes output data possible
- Reliable data transmission even with high CAN bus load

Easy-to-configure Communication between PROFINET and CANopen

- Creating configurations automatically from EDS files
- Included configuration tool GSDML-Composer for easy a start-up

Reliable Communication with extended Features for Diagnosis and Debugging

- User-friendly analysis of the CAN bus via USB interface
- Extended error diagnostics of the CANopen nodes directly in the PLC
- LEDs for an easy reading of the PROFINET and CAN status
- Additional software tools for CAN debugging (e.g.: CANreal) free of charge



Linking PROFINET IO and CANopen

The CANopen-PN/2 links any PROFINET IO controller to a CANopen network. The gateway operates as a PROFINET IO device with a maximum of 1440 bytes input data and 1440 bytes output data on the PROFINET bus and as a CANopen Manager in the CANopen bus.

Applications

The CANopen-PN/2 connects CANopen modules with CANopen (CiA 301) applications with e.g. a SIMATIC-S7. A maximum number of 126 CANopen nodes can be connected to the gateway.

Advanced Debugging

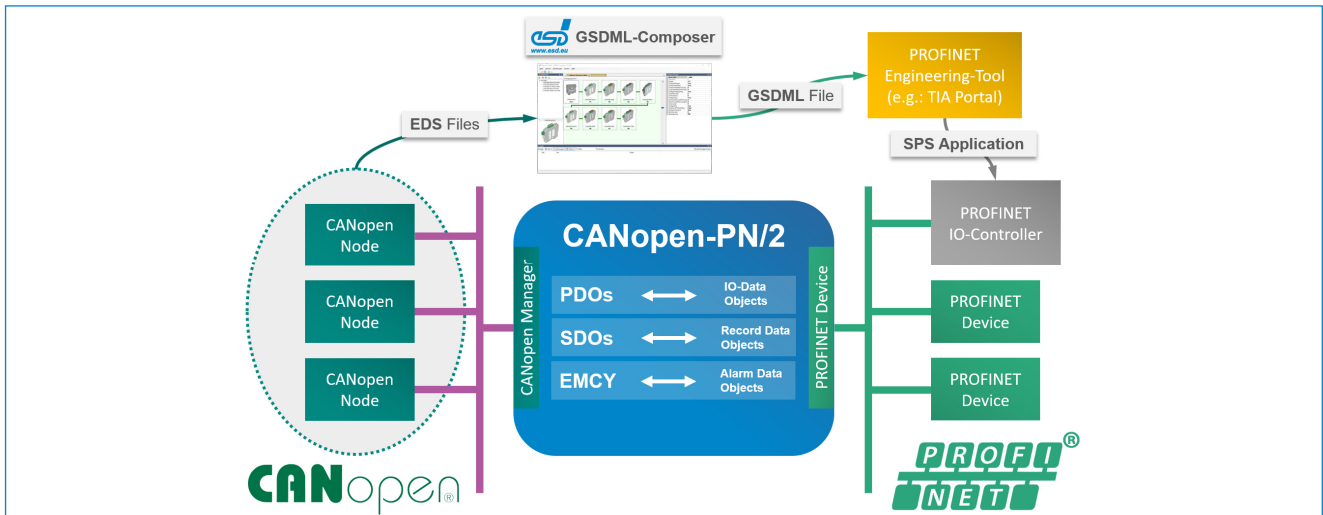
A live view of the CAN bus on a Windows PC is possible via the integrated USB interface. This allows configuration errors to be found easily and quickly.

Easy Configuration

With the included GSDML-Composer a suitable GSDML file can be created in a generic and simple way from the EDS files of the CANopen nodes.

Customization on Request

Customized options can be provided for your specific requirements. Please contact our sales team for detailed information.



Technical Specifications:

CPU System:	
CPU	Sitara™ AM4377, 1 GHz
Memory	512 MB SDRAM
Interfaces	
CAN:	ISO 11898-1, integrated in CPU
PROFINET IO:	2x RJ45, 100BASE-TX, 100 Mbit/s, IEEE 802.3, electrically isolated, integrated in CPU
General:	
Power supply voltage	24 V ± 5%; I _{TP} = 120 mA
Ambient temperature	0 °C ... +50 °C
Relative humidity	Max. 90 % (non-condensing)
Dimensions	22.5 mm x 99 mm x 114.5 mm
Connectors	CAN: 5-pin open style 3.81 (CiA 303-1) PN: 2x RJ45 Power: 4-pin PCB connector open style 5.0 pitch or InRailBus
Weight	130 g

Order Information:		
Hardware		Order No.
CANopen-PN/2	PROFINET IO-CANopen gateway for DIN rail mounting to connect CAN to PROFINET including GSDML-Composer for configuration	C.2931.02
Accessories		
CAN-Cable-S, 0.3 m	CAN cable, length 0.3 m, 1x DSUB9 socket and 3 wire end sleeves, performance level 3, metallized plastic housing	C.1323.04
Software Support		
The scope of delivery includes the GSDML-Composer for easy generation of configuration files. The software is available for Microsoft Windows.		
Related Products		
CAN-PN/2	PROFINET IO-CAN Gateway	C.2924.02
CAN-PN/2-FD	PROFINET IO-CAN FD Gateway	C.2924.62