

# CAN-PN/2-FD

## PROFINET<sup>®</sup> IO-Device to CAN FD Gateway

### First Gateway with CAN FD Support

- Supports CAN FD with up to 64 bytes in data field and 8 Mbit/s bit rate
- Fully compatible with Classical CAN (2.0A/B) with up to 1 Mbit/s

### Easy-to-configure Communication between PROFINET and CAN FD

- Supports up to 512 statically configured CAN frames
- Unlimited number of freely configurable CAN frames with Record Data Objects
- Reliable data transmission even with high CAN bus load

### Reliable Communication with extended Features for Diagnosis and Debugging

- User-friendly analysis of the CAN bus via USB interface
- CAN bus monitoring with our free Windows<sup>®</sup> GUI tool (CANreal)
- LEDs for an easy reading of the PROFINET and CAN status



### Linking PROFINET IO and CAN FD

The CAN-PN/2-FD links any PROFINET IO controller to CAN FD networks.

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.

### Applications

The CAN-PN/2-FD connects CAN FD devices with applications to e.g. a SIMATIC-S7 or other PLCs.

Up to 512 static CAN send or receive frames can be handled. In addition, Record Data Objects can be used to send and receive an unlimited number of dynamic CAN frames. The transmission can be configured cyclically or triggered.

### Advanced Debugging

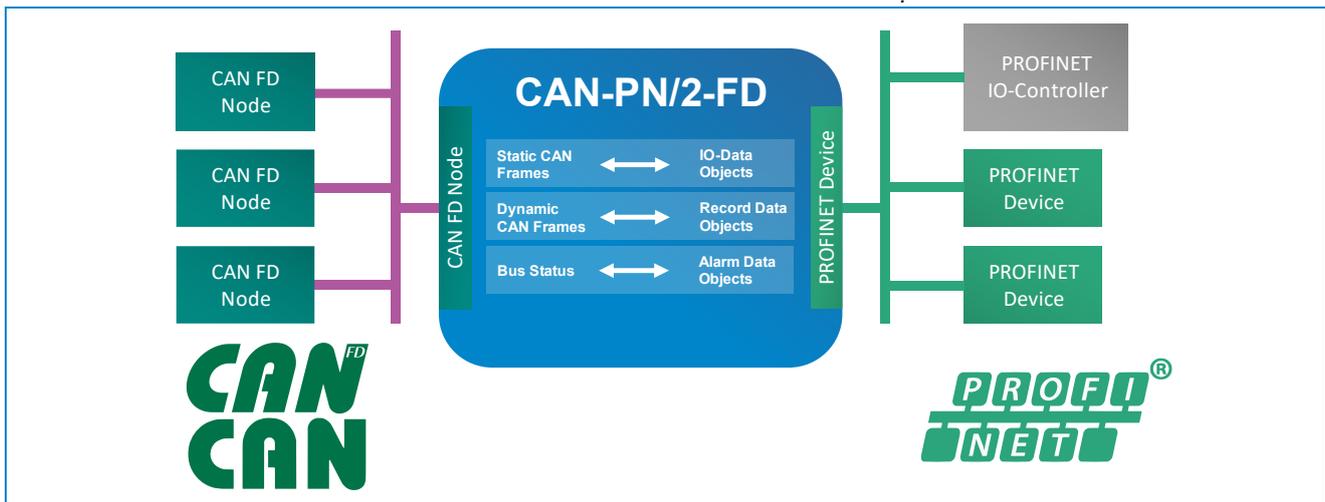
A live view of the CAN bus on a Windows PC is possible via the integrated USB interface. This allows configuration errors to be found easily and quickly.

### Easy Configuration

The configuration is done directly via the configuration tool of the PLC.

### Customization on Request

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



### Technical Specifications:

<b>CPU System:</b>	
CPU	Sitara™ AM4377, 1 GHz
Memory	512 MB SDRAM
<b>Interfaces</b>	
CAN FD:	ISO 11898-1, integrated in CPU
PROFINET IO:	2x RJ45, 100BASE-TX, 100 Mbit/s, IEEE 802.3, electrically isolated, integrated in CPU
<b>General:</b>	
Power supply voltage	24 V ± 5%; I <sub>typ</sub> = 120 mA
Ambient temperature	0 °C ... +55 °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

<b>Order Information:</b>		
Hardware		Order No.
CAN-PN/2-FD	PROFINET IO-CAN FD Gateway Gateway for DIN rail mounting to connect CAN FD and PROFINET. CAN bus monitoring software included	C.2924.62
<b>Accessories</b>		
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
<b>Related Products</b>		
CAN-PN/2	PROFINET IO-CAN Gateway Gateway for DIN rail mounting to connect CAN and PROFINET. CAN bus monitoring software included	C.2924.02
CANopen-PN/2	CANopen to PROFINET-IO-Device Gateway	C.2931.02