

# CAN-DP Profibus-DP / CAN Gateway

- fast and reliable linking Profibus-DP and CAN with data buffering
- CAN-PLC link, e.g. to SIEMENS S7-300 or S7-400
- no limitation on the number of CAN participants

## Linking DP and CAN

The module CAN-DP can link any Profibus-DP master to a CAN network. The DP/CAN gateway operates as a slave-I/O component with a total of maximum 300 bytes data (up to 244 bytes input and up to 244 bytes output data) on the DP-bus.

## Applications

With the CAN gateway you can couple CAN modules with CANopen or layer-2 implementation to e.g. a SIMATIC-S7. The number of CAN participants is not limited by the module.



## Physical Interfaces

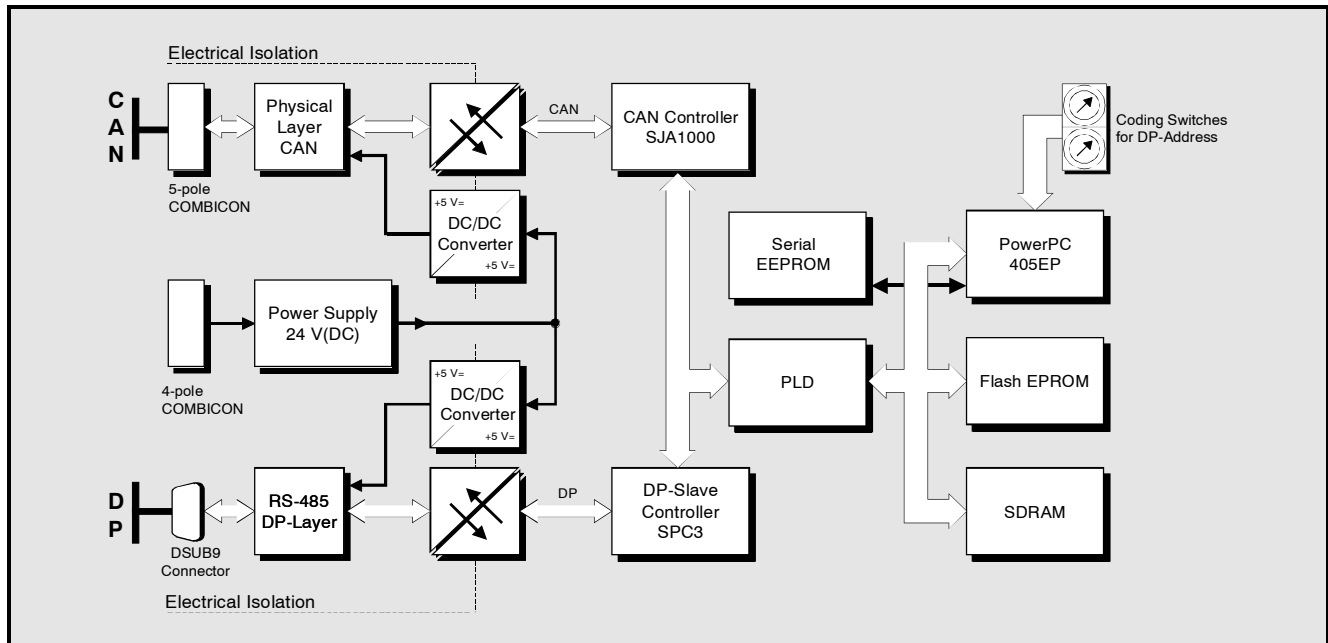
The ISO 11898-compatible CAN interface allows a maximum data-transfer rate of 1 Mbit/s. The Profibus-DP-Slave interface automatically recognizes all usual bit rates up to 12 Mbit/s.

The DP as well as the CAN interface are electrically isolated.

## Configuration and CAN protocols

The module can be configured via PROFIBUS configuration tool, e.g. the PLC SIMATIC Manager.

CANopen is supported as layer-7 protocol on the CAN layer.



## Technical Specifications:

<b>CPU:</b>	
Microcontroller:	PowerPC 405 EP, 133 MHz
Memory:	4 M x 32 bit SDRAM (16 MB), 1 M x 16 bit Flash EPROM (2 MB)
<b>CAN:</b>	
CAN controller:	SJA1000, CAN 2.0A/B
CAN interface:	differential, electrically isolated, 1 Mbit/s, ISO11898
<b>Profibus-DP:</b>	
DP controller:	SPC3, DP-Slave
DP interface:	RS-485, electrically isolated, max. 12 Mbit/s

<b>General:</b>		
Operating voltage:	nominal 24 VDC	
Connectors:	CAN:	5-pole socket connector
	DP:	9-pole female DSUB
	power:	4-pole spring force connection plug
<b>Order information:</b>		
Designation		order no.
CAN-DP	DP-CAN gateway, layer-2, CAN 2.0A/B (11/29-bit CAN-ID), GSD-file	C.2905.02
CAN-DP-ME	English user manual	C.2905.21