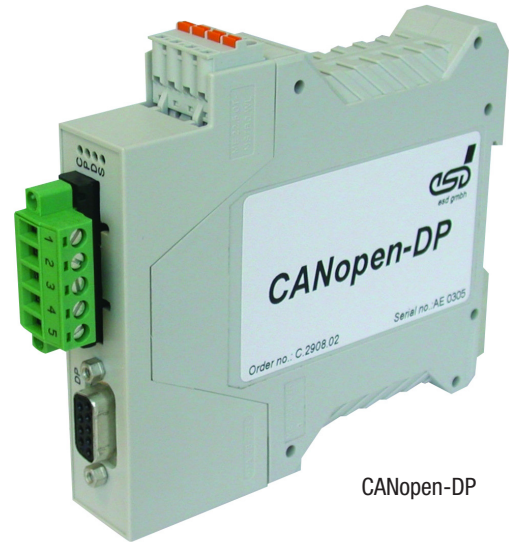




CANopen-DP

PROFIBUS-DP / CANopen Gateway



CANopen-DP

Linking PROFIBUS-DP and CANopen

The module CANopen-DP can link any PROFIBUS-DP master to a CANopen network. The gateway operates as a PROFIBUS-DP slave-I/O component with a maximum total data input of 244 bytes input and data output of 244 bytes. It supports cyclic (DP-V0) as well as acyclic (DP-V1) PROFIBUS data transfers. On CANopen it operates as a CANopen manager supporting CANopen master, NMT master and configuration functions. PDO and SDO (with SDO timeout and MPDO transmission) data transfers are supported. START frame, SYNC and Heartbeat are controlled by the module

Applications

With the CANopen-DP gateway you can couple CANopen modules to e.g. a SIMATIC-S7. The module does not limit the number of CANopen devices.

Physical Interfaces

The fully 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 PROFIBUS-DP as well as the CAN interface are electrically isolated.

For further information please visit
<http://www.esd-electronics-usa.com/CAN-Gateways-USB-Ethernet-Modbus-TCP-EtherCAT-Profinet-DeviceNet-Profibus.html>

Configuration and CAN protocols

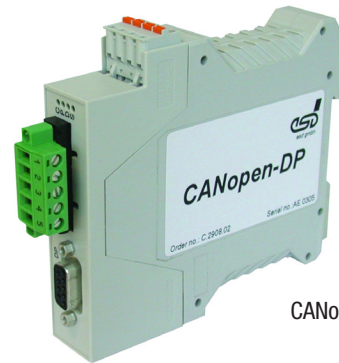
The module can be configured via PROFIBUS configuration tool, e.g. the PLC SIMATIC Manager. CANopen is supported as CAN-layer-7 protocol on the CAN layer. Additionally CAN-layer-2 functions are available.

growing with the
challenge

CANopen-DP

PROFIBUS-DP / CANopen Gateway

- Fast and reliable linking PROFIBUS-DP and CANopen networks with data buffering
- CANopen-PLC link, e.g. to SIEMENS S7-300 or S7-400
- 244 bytes input and 244 bytes output PROFIBUS data



CANopen-DP

Technical Specifications

CPU	
Microcontroller	PowerPC 405 EP, 133 MHz
Memory	4 M x 32 bit SDRAM (16 MB), 1 M x 16 bit Flash EPROM (2 MB)
CAN	
CAN controller	SJA1000, CAN 2.0A/B
CAN interface	Differential, electrically isolated, 1 Mbit/s, ISO11898
PROFIBUS-DP	
DP controller	VPC3, DP-Slave
DP interface	RS-485, electrically isolated, max. 12 Mbit/s
General	
Operating voltage	Nominal 24 VDC
Connectors	CANopen: 5-pole socket connector DP: 9-pole female DSUB Power: 4-pole spring force connection plug

For further information please visit
<http://www.esd-electronics-usa.com/CAN-Gateways-USB-Ethernet-Modbus-TCP-EtherCAT-Profinet-DeviceNet-Profibus.html>

Order information:

Designation		order no.
CANopen-DP	PROFIBUS-DP-CANopen gateway, GSD-file	C.2908.02
Manual		
CANopen-DP-ME	English user manual	C.2908.21

