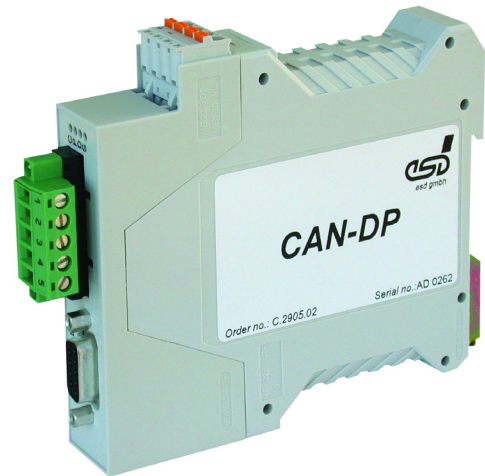




# CAN-DP

## 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



CAN-DP

### 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 maximum total of 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 module does not limit the number of CAN participants.

### 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 opto- 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.

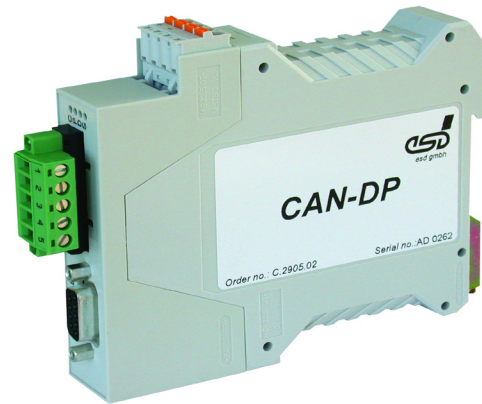
For further information please visit  
<http://www.esd-electronics-usa.com/CAN%20Gateways.html>

growing with the  
challenge

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CAN-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     | SPC3, DP-Slave                                              |
| DP interface      | RS-485, electrically isolated, max. 12 Mbit/s               |
| General           |                                                             |
| Operating voltage | Nominal 24 VDC                                              |
| Connectors        | CAN: 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%20Gateways.html>

### Order Information

| Designation |                                                                  | order no. |
|-------------|------------------------------------------------------------------|-----------|
| CAN-DP      | DP-CAN gateway, layer-2, CAN 2.0A/B (11/29-bit CAN-ID), GSD-file | C.2905.02 |
| Manual      |                                                                  |           |
| CAN-DP-ME   | English user manual                                              | C.2905.21 |

