

CAN-PN

PROFINET-IO / CAN Gateway



- fast and reliable linking PROFINET-IO 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 PROFINET® and CAN

The module CAN-PN can link any PROFINET-IO controller to a CAN network. The CAN-PN gateway itself operates as a PROFINET-IO device with a maximum of 256 bytes input data and 256 bytes output data on the PROFINET bus.

Applications

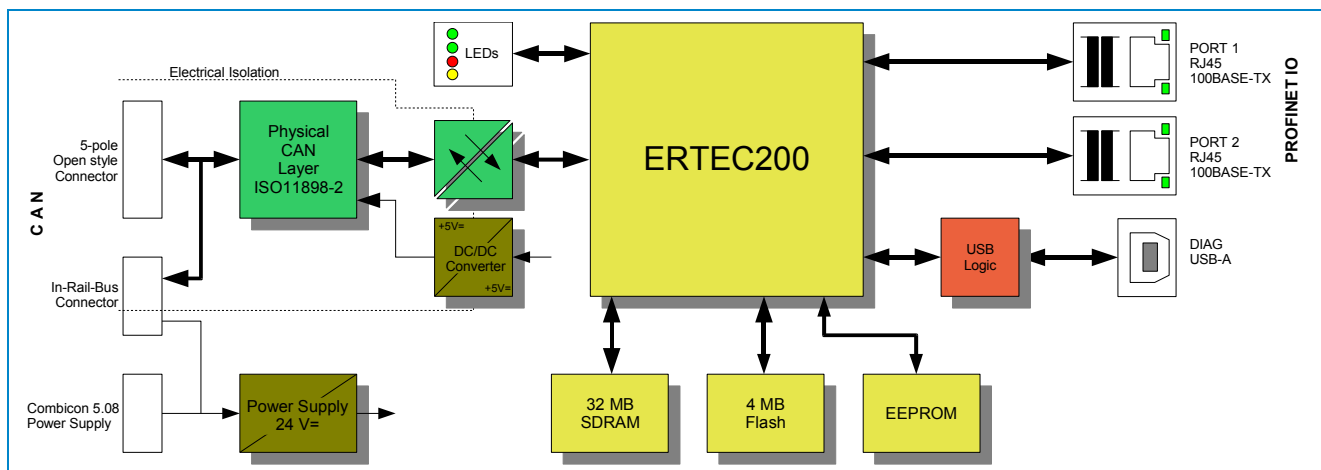
The CAN-PN connects CAN modules with CANopen (CiA® DS 301) or layer-2 (ISO 11898-1) applications to e.g. a SIMATIC-S7. The number of CAN participants is not limited by the gateway.

Physical Interfaces

The CAN high speed (ISO 11898-2) compatible interface allows a maximum data-transfer rate of 1 Mbit/s. The 100 BASE-TX PROFINET interface is compatible to IEEE802.3 and runs with 100 Mbit/s. The PROFINET as well as the CAN interface are electrically isolated.

Configuration and CAN Protocols

The module can be configured via PROFINET configuration tool, e.g. the PLC SIMATIC Manager. No additional configuration tools are required!



Technical Specifications:

CPU:	
Micro controller:	ERTEC 200, 150 MHz
Memory:	32 MB SDRAM, 4 MB Flash
CAN:	
CAN controller:	SJA 1000, ISO11898-1
CAN interface:	5-pin open style 5.08 (CiA DR 303-1), 1 Mbit/s, ISO11898-2, electrically isolated
PROFINET (PN):	
PN controller:	ERTEC 200
PN interface:	2x RJ45, 100BASE-TX, 100 Mbit/s, IEEE 802.3, electrically isolated

General:	
Power supply:	typ. 24 VDC / 120 mA min./max.: 18 VDC / 32 VDC
Operating temperature:	0 ... +50 °C
Dimensions:	22 mm x 112 mm x 113 mm
Connectors:	CAN: 5-pin open style 5.08 (CiA DR 303-1) PN: 2x RJ45 power: 4-pin spring force plug
Order information:	
Designation	order no.
CAN-PN	PROFINET IO-CAN gateway, documentation and GSDML-file (on CD) C.2920.02

All data are subject to change without prior notice.
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