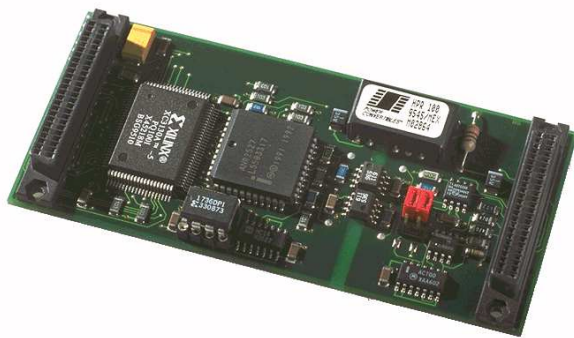


TIP816 CAN-Bus-Controller (CAN-Specification 2.0 A and B)

Application Information

The TIP816 is an IndustryPack® compatible module from TEWS DATENTECHNIK GmbH.

The TIP816 provides a complete CAN-Bus interface using the Intel 82527 CAN-Controller. The TIP816 supports CAN Specification 2.0 Part A and Part B. (Standard 11 bit identifier and extended 29 bit identifier).



Physical interface supports both, CAN-High-Speed and modified RS485. Both physical interfaces are optically isolated from the CAN-Controller.

Operating range for the TIP816 is -40°C to +85°C.

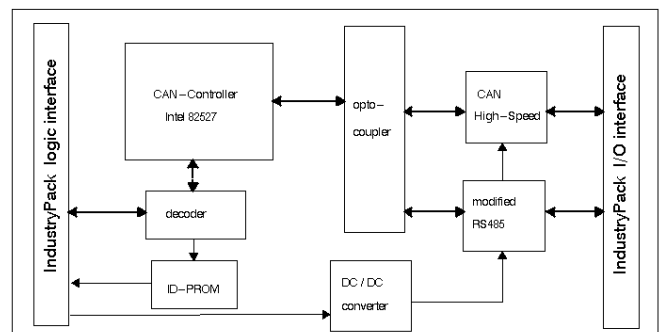
For First-Time-Buyers the engineering kit TIP816-EK is recommended. The engineering kit includes TIP816-DOC, schematics, data sheets and a 50 pin flat cable with DB9 connectors in CiA pinout.

The CAN driver software TIP816-SW-x2 provides functionality to route CAN messages to dedicated processes.

TEWS DATENTECHNIK offers a wide range of connection cables and transition modules. Please contact your local sales representative.

Technical Information

- Interface according to IndustryPack specification
- Identification-PROM supports autoconfiguration
- Single size IndustryPack
- CAN-Bus interface based on Intel 82527 chip
 - Support CAN-Specification 2.0 Part A and Part B (Standard and Extended Data Frames)
 - Programmable global mask
 - 15 message objects of 8-bit data length
 - Powerful error handling
 - Programmable transfer rates
- Physical interface
 - CAN-High-Speed (according to ISO 11 898) and
 - modified RS485
- Physical interface optically isolated from CAN-Controller
- On board DC/DC converter
- Max. transfer rate 1 Mbit/s (bus length up to 40 m)
- Temperature Range -40°C to +85°C



Order Information

TIP816-10	CAN-Bus-Controller
TIP816-DOC	User Manual
TIP816-EK	Engineering kit, includes TIP816-DOC
TIP816-SW-12	OS-9 Driver support
TIP816-SW-22	VMEexec Driver support
TIP816-SW-32	pSOS+ Driver support
TIP816-SW-42	VxWorks Driver support