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Find the *Tews Technologies TPMC816-10* at our website: ***Click HERE***

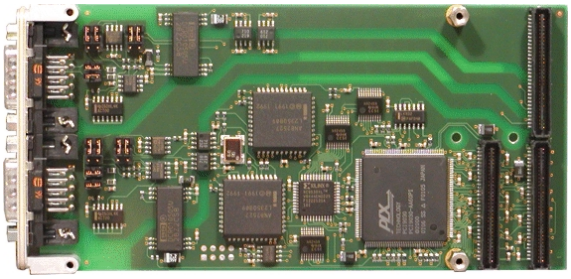
The Embedded I/O Company

TPMC816 Two Independent Channels Extended CAN Bus

Application Information

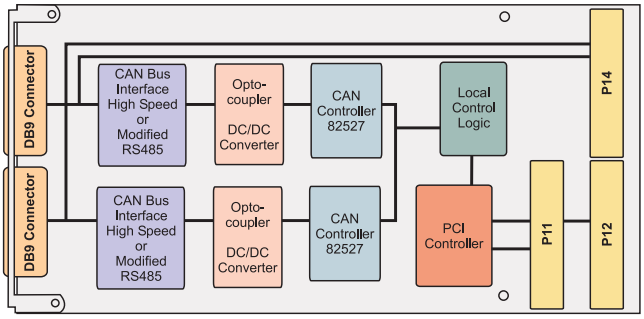
The TPMC816 is a standard single-width 32 bit PMC module with two complete CAN bus interfaces using two Intel 82527 CAN controllers. Both channels are completely independent and support CAN specification 2.0 part A and B (Standard 11 bit identifier and extended 29 bit identifier).

Each channel provides CAN High Speed and modified RS485 as physical interface. The physical interfaces are optically isolated from the CAN controller and powered by an on board DC/DC converter for each channel. The TPMC816-11 provides one CAN bus channel.



For First Time Users the Engineering Documentation TPMC816-ED is recommended. The Engineering Documentation includes TPMC816-DOC, schematics and data sheets.

Driver support (TPMC816-SW-xx) for different operating systems is available.



Technical Information

- Standard single-width 32 bit PMC module conforming to IEEE P1386.1
- PCI 2.1 compliant interface
- Board size: 149 mm x 74 mm
- CAN bus interface based on Intel 82527 chip
- I/O access :
  DB9 male front connector with pinout following CiA DS-102, parallel to rear connector P14
- Support CAN specification 2.0 part A and B (standard and extended data frames)
- Programmable global mask
- 15 message objects of 8 byte data length
- Powerful error handling
- Programmable transfer rates
- Physical interface CAN High Speed (according to ISO 11 898) and modified RS485 per channel
- Physical interface optically isolated from CAN controller by on board DC/DC converter per channel
- Maximum transfer rate 1 Mbit/s (bus length up to 40 m)
- Operating temperature -40°C to +85°C

Order Information

TPMC816-10	Two Independent CAN Bus Channels
TPMC816-10R	RoHS compliant version of TPMC816-10
TPMC816-11	One CAN Bus Channel
TPMC816-11R	RoHS compliant version of TPMC816-11
TPMC816-DOC	User Manual
TPMC816-ED	Engineering Documentation, includes TPMC816-DOC
TPIM001-10	PIM I/O Module with HD50 SCSI-2 type connector
TPIM001-10R	RoHS compliant version of TPIM001-10
TDRV011-SW-42	VxWorks Software Support
TDRV011-SW-65	Windows XP/XPE/2000 Software Support
TPMC816-SW-72	LynxOS Software Support
TDRV011-SW-82	LiNUX Software Support
TPMC816-SW-95	QNX 6 Software Support

For other operating systems please contact TEWS.

TEWS TECHNOLOGIES GmbH keeps the right to change technical specification without further notice. 06/2007

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