USB/CAN-Interface CPC-USB

Highlights

- powerful 32-bit microcontroller with internal CAN controller
- supports CAN protocols 2.0A and 2.0B
- display of USB communication and CAN data transfer via LEDs
- supply completely over USB
- galvanic isolation

Description

CPC-USB is an active CAN interface for the connection to the USB bus of a PC. It comes with a robust compact metal housing. The low-price and ease to use makes it well suited for configuration and analysis of CAN networked systems.

The CAN interface supports 11 and 29 bit CAN identifiers. The on-board 32-bit ARM micro controller system Philips LPC2119, with 128 KByte FLASH and 16 KByte RAM, is capable to control transmission and reception tasks with the highest efficiency possible. *CPC-USB* is powered by the USB bus, no additional power supply is required. Development kits for developing applications using *CPC-USB* are available for the operating systems Windows™ and LINUX™.

The CAN connection is galvanically isolated from the USB part. A version with a low-speed transceiver interface for CAN is available to be used in automotive applications.

CPC-USB is useable as CAN interface for the CAN analyser CAN-RE***port***, the configuration tool *CANopen Device Monitor* and the *CANopen Configuration Manager*.

Technical Data

Nominal Values

Parameter	Min.	Typ.	Max.
Current consumption (operating)	-	-	500mA
Supply voltage	4,2V	5,0V	5,5V

Limiting Values

Parameter	Min.	Max.
Storage temperature	-20°C	+80°C
Operating temperature	0°C	+70°C
Supply voltage	0V	+6V
Voltage on bus connections	-30V	+30V

Size: 54 x 24 x 90 mm

Scope of Delivery

- CAN interface CPC-USB
- manual
- CPC-drivers for Windows™ 2000,XP; LINUX™

Ordering Information

0667/01	CPC-USB/M16C-GTI Interface
0667/02	CPC-USB/ARM7-GTI Interface
0690/10	CPC-Series Development Kit/Windows™
0690/20	CPC-Series Development Kit/LINUX™

Functional demo versions of the software tools are available for download on *www.canopen-tools.com*.

Engineering Services

port is providing engineering services and trainings for our business activities:

- CAN and CAN-based protocols: CANopen, J1939, DeviceNet
- Industrial Ethernet Protocols: POWERLINK, Ether-Net/IP, EtherCAT
- Implementation of devices according to CANopen device profiles
- VHDL based solutions for industrial applications
- application specific implementations or enhance-ments
- embedded LINUX projects

Notice

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