CAN / CANOPEN / DEVICENET

CANcard2 Interface

Dual-Channel PC Card Interface for CAN, CANopen, and DeviceNet

The CANcard2 Interface provides a high-performance link to two independent CAN networks. It is available in different variants supporting CAN, CANopen, or DeviceNet networks. The CANcard2 Interface supports a wide range of operating systems.

MOBILE ACCESS TO CAN, CANOPEN, AND DEVICENET NETWORKS

The PC Card form factor of the CANcard2 Interface is designed for use within mobile computers running applications that need access to CAN, CANopen, or DeviceNet networks. Typically, the CANcard2 Interface is used for various control, visualization, and parameterization tasks in various industry sectors.

ACCESS TO 1 OR 2 NETWORKS - JUST AS NEEDED

The two independent CAN bus channels of the CANcard2 Interface support the development of scalable applications with access to one or two independent networks. The support of multiple operating systems combined with the availability of product variants supporting CANopen or DeviceNet only adds to the flexibility of this CAN interface.

TOP PERFORMANCE MINIMIZES PC WORKLOAD

The on-board processor of the CANcard2 Interface performs the CAN communication, including local buffering and pre-processing, independently from the host system. This design enables developers to implement time critical applications since the CAN communication tasks are not affected or delayed by a high CPU load of the host system. At the same time, the on-board processor helps to minimize the workload of the host CPU that is required for CAN communication tasks.

CUSTOMER BENEFITS

- Mobile System Interface
- Access to 1 or 2 Networks
- Top Performance

FUNCTIONAL SCOPE

CANcard2 Interface	Dual-Channel PC Card Interface for CAN, CANopen, and DeviceNet

TECHNICAL DATA

CAN Protocol and Available APIs	Supported CAN Protocol	CAN V2.0 (11/29 Bit IDs)
	Available Application Programming Interfaces (APIs)	CAN API, LeanCANopen API, CANopen API, DeviceNet API
CAN Bus Connection	Connector	9 Pin D-Sub Male
	Number of Channels	2
	Physical Layer	ISO 11898-2 (CAN High Speed)
PC Interface	Interface	PC Card (PCMCIA), V2.1
	Dual Port Memory	4KB
	Interrupts	Plug and Play
Environment / Dimensions	Operation / Storage Temperature	0°C...+55°C / -20°C...+70°C
	Relative Humidity	<90%, Non-Condensing
	Dimensions	PC Card Type II (PCMCIA)
Power Supply	Supply Voltage	5V (±5%) DC, Powered Over PC
	Current Consumption	Typically 300mA
System Requirements	Supported Operating Systems	Windows 2000, Windows XP, Windows Vista, Windows 7 (32 and 64-bit), Windows Server 2003, Windows Server 2008, Windows Embedded CE V6.0, Linux (as of August 2011)
Conformity		CE FC RoHS COMPLIANT

SCOPE OF DELIVERY

Hardware	CANcard2 Interface Card with Dual CAN High Speed Bus Adapter Cable
Software	> CD ROM with Drivers, CAN API, Lean CANopen API, Sample Programs and Documentation > Additional CANopen or DeviceNet API (Dependent on Chosen CANcard2 Variant) > X-Analyser Appetizer

ORDER NUMBERS

CANcard2	CANcard2 Interface with CAN API and Lean CANopen API
CAN-CC2/OPN	CANcard2 Interface with additional CANopen API
CANCARD2/DN	CANcard2 Interface with additional DeviceNet API

ADDITIONAL PRODUCTS AND SERVICES

CAN-OPN/API	CANopen Application Programming Interface as Upgrade for CANcard2
CAN-DN/API	DeviceNet Application Programming Interface as Upgrade for CANcard2
CANcard2/DHSC	Dual CAN High Speed Bus Adapter Cable (Spare Part)
PCcard2-PFX	Strain Relief for PC Card Interface
X-Analyser	CAN Protocol Analyzer Software X-Analyser, Full Version
X-Analyser-ECO	CAN Protocol Analyzer Software X-Analyser, Economy Version
X-AnalyserOPT/CO	CANopen Interpreter Option for CAN Protocol Analyzer Software X-Analyser
X-AnalyserOPT/DN	DeviceNet Interpreter Option for CAN Protocol Analyzer Software X-Analyser
X-AnalyserOPT/19	J1939 Interpreter Option for CAN Protocol Analyzer Software X-Analyser
TRA-CAN-TS	Training "CAN - Troubleshooting"

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