DEVICENET

CAN-AC1-PCI/DN

Universal PCI DeviceNet Interface Card With On-Board Microcontroller

The CAN-AC1-PCI/DN DeviceNet Interface Card is optimized for real-time performance and precise protocol timing. It is software configurable as Master or Slave. The Application Programming Interface (API) is designed to support easy application integration.

HIGHLY ADAPTABLE INTERFACE FOR INDUSTRIAL AND EMBEDDED COMPUTERS

The CAN-AC1-PCI/DN DeviceNet Interface Card enables PC-based applications to exchange data with DeviceNet Master or Slave devices connected to a DeviceNet network. It represents a universal interface solution for a wide range of DeviceNet applications – whether it's machine controllers, test rigs, or PC-based slave applications. Comprehensive configuration services allow for integration into control systems.

ON-BOARD MICROCONTROLLER MINIMIZES PC WORKLOAD

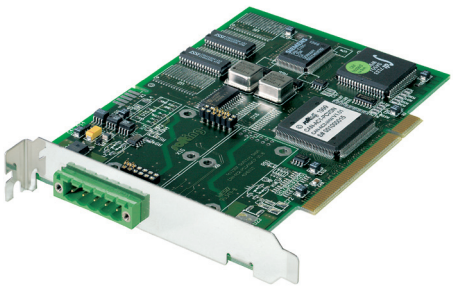
The CAN-AC1-PCI/DN DeviceNet Interface Card is a so-called "active" card with a separate on-board microcontroller for executing the DeviceNet protocol. The hardware supports local buffering and data pre-processing running independently from the PC. The interface card is optimized for real-time performance and precise protocol timing thus taking load off the host system.

POWERFUL AND COMPREHENSIVE APPLICATION PROGRAMMING INTERFACE

The Application Programming Interface is the link between DeviceNet applications running on the PC and the CAN-AC1-PCI/DN DeviceNet Interface Card. The API offers the flexibility to implement both DeviceNet Master and Slave applications. The driver software includes a set of sample applications demonstrating individual API features and is accompanied by straightforward How To tutorials.

CUSTOMER BENEFITS

- Suitable for a Wide Range of Applications
- Top Performance
- Rapid Application Development Through Powerful API



TECHNICAL DATA

CAN Protocol and Available APIs	Supported CAN Protocol	CAN V2.0 (11/29 Bit IDs)
	Available Application Programming Interfaces (APIs)	DeviceNet API, CAN API
CAN Bus Connection	Connector	5-Pin Open Style
	Number of Channels	1
	Physical Layer	ISO 11898-2 (CAN High Speed)
PC Interface	Interface	Universal PCI
	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	160mm x 100mm
Power Supply	Supply Voltage	5V (±5%) DC, Powered By PC
	Current Consumption	Typically 380mA
System Requirements	Supported Operating Systems	Windows 2000, Windows XP (as of March 2012)
Conformity		CE FC RoHS COMPLIANT

SCOPE OF DELIVERY

CAN-AC1-PCI/DN	Hardware	Universal PCI Interface
	Software	CD-ROM Including Driver, DeviceNet API, Sample Programs
	Documentation	Manual

ORDER NUMBER

CAN-AC1-PCI/DN	Universal PCI DeviceNet Interface Card With On-Board Microcontroller

ADDITIONAL PRODUCTS AND SERVICES

CAN-DN/API	DeviceNet Application Programming Interface as Upgrade for CAN-AC1-PCI
X-ANALYSER	CAN Protocol Analyzer Software X-Analyser, Full Version
X-ANALYSER-ECO	CAN Protocol Analyzer Software X-Analyser, Economy Version
X-ANALYSEROPT/DN	DeviceNet Interpreter Option for CAN Protocol Analyzer Software X-Analyser
TRA-CAN-TS	Training "CAN - Troubleshooting"

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