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Find the *Softing CANpro USB* at our website: ***Click HERE***

CAN / CANOPEN

CANpro USB

High Speed USB to CAN Interface Card for Mobile Use

The CANpro USB Interface Card equips a PC or notebook with a top performing CAN interface with very short response times. It is suitable for a wide variety of CAN and CANopen applications like control, measurement, configuration, and analysis tasks and is also available as a Heavy Duty version.

HIGH DATA THROUGHPUT RESULTING IN SHORT RESPONSE TIME

The CANpro USB Interface Card makes use of the USB 2.0 High Speed standard. Its on-board processor and speed-optimized firmware allow for 100% bus load at 1Mbit/s, combining high data throughput with response times as short as 100µs. As a result, the CANpro USB is one of the fastest CAN interfaces available on the market, also suitable for time-critical applications.

The speed advantages are accompanied by ease of use features including easy installation by simply connecting the USB cable of the interface card to the PC and the D-Sub connector to the CAN network. Furthermore, the USB interface eliminates the need for an additional power supply. LEDs indicate USB and CAN status.

SUITABLE FOR IN-HOUSE OR MOBILE USAGE

The CANpro USB comes with a small but robust metal housing suited for everyday use. The Heavy Duty version offers a lockable USB cable connector and a special mounting kit for fixing the cable and the CANpro USB to the PC. This version also supports an extended operating temperature range of -20°C to +70°C. While the CANpro USB addresses standard mobile as well as stationary in-house types of application, the CANpro USB Heavy Duty version is ideal for mobile use in harsh industrial environments.

COMPREHENSIVE FUNCTIONALITY SUPPORTING A WIDE VARIETY OF USE CASES

Integrating the CANpro USB into a CAN application is easy. For handling individual CAN messages a C-based and a .NET-based API, both offering FIFO and Object Buffering operating modes, are part of the standard deliverables. A free LeanCANopen Client API is also included, which provides the CANopen functionality on the PC and allows the integration of CANopen applications like control, measurement, configuration and analysis. In addition, the CANpro USB is fully integrated into the popular X-Analyser software for CAN, CANopen, DeviceNet or J1939, which is available as an option.

CUSTOMER BENEFITS

- Top Performance
- Universal Suitability
- Comprehensive Functionality For Broad Usage



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 Client API
CAN Bus Connection	Connector	9 Pin D-Sub Male, Galvanically Isolated
	Physical Layer	ISO 11898-2 (CAN High Speed)
PC Interface	Interface	USB 2.0 High Speed, 480Mbit/s
Indicators	USB LED	USB Status
	CAN LED	CAN Status
Environment / Dimensions	Operation / Storage Temperature	-0°C...+55°C / -20°C...+70°C (Standard Version)
		-20°C...+70°C / -20°C...+70°C (Heavy Duty Version)
	Relative Humidity	<90%, Non-Condensing
	Dimensions	74mm x 55mm x 26mm
Power Supply	Supply Voltage	5V (±5%) DC Via USB Interface
	Current Consumption	Typically 200mA
System Requirements	Supported Operating Systems	Windows XP, Windows Vista, Windows 7 (32-Bit and 64-Bit), Windows Server 2003 R2, Windows Server 2008 (as of January 2012)
Conformity		CE FC RoHS COMPLIANT

SCOPE OF DELIVERY

CANpro USB	Hardware	
	• CANpro USB, Standard Version	CANpro USB Interface Card (Standard Version), USB Cable
	• CANpro USB, Heavy Duty Version	CANpro USB Interface Card (Heavy Duty Version), Lockable USB Cable with Cable Connector and Mounting Kit
	Software	CD-ROM Including Drivers, Sample Programs
	Documentation	CANpro USB Manual (Included on CD-ROM)

ORDER NUMBERS

DUL-00-012410	CANpro USB Interface Card (Standard Version)
DUL-00-012411	CANpro USB Interface Card (Heavy Duty Version)

ADDITIONAL PRODUCTS AND SERVICES

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

Softing Industrial Automation is a world-leading provider of industrial communication products and technologies used with devices, controls, and systems in manufacturing and process automation applications. Our products are tailored to the requirements of system integrators, device vendors, machine and equipment manufacturers as well as end users and are known for its ease of use and functional advantages.

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