

# CAN-USB

## Low Cost CAN/CANopen Interface for USB (v1.1) ports

### Technical Description

The cost effective CAN interfaces of the “L” series of the Janz Automationsysteme AG comes with a low price and with enough performance for the most of all known applications. The “L” series comes with interfaces for different system architectures.

Almost every CAN/CANopen interface of the Janz Automationsysteme AG is optionally available with one or two CAN ports. In all cases Philips’ SJA1000 CAN controller is being used.

The wide support for all different types of operating systems and a similar API to different system architectures enables the customers to use different interfaces in different system architectures with almost same software developments.

Contact the Janz’ offices for more information!

### Technical Specifications CAN/CANopen

- non-intelligent and low cost CAN controller
- one CAN 2.0b interface with SJA1000 CAN controller
- 11 bit ID and 29 bit ID CAN specifications supported
- ISO/DIS 11898
- standard opto-isolated
- isolation barrier 500V (optionally)
- 9-pin D-SUB connector
- on-board line termination 120Ω; enabled by software
- four diagnostic LEDs at front panel

### Technical Specifications Bus Interface

- Atmel ATmega 64/128 RISC microcontroller
- 4 kB SRAM, (MCU internal) + 60 kB (external)
- 64 kB Flash (ATmega64), 128 kB (ATmega128)
- 16 MHz clock frequency
- USB controller FTDI FT245BM
- power requirements +5V (±5%), max. 170mA
- operating temperature range 0 ... +70°C
- non-operating temperature range -20°C ... +80°C
- humidity 0 ... 80%, non-condensing
- dimensions (h x w x d) 20 x 53 x 55mm
- weight approx. 50 g



### Ordering Information

**CAN-USB                      CB-USB-01001**  
CAN-USB with one SJA1000 CAN Controller

**CANopen/ID                CB-SOF-32060**  
ICANOS Deamon Run Time License for Low Cost CAN interfaces

**Software Development Kit**  
Contact Janz offices for more information about SDK etc.!

### Contact Information

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