

# **CANfox®**

## Small, mobile and cost-efficient













# **CANfox®**

CANfox® is a Sontheim fieldbus-to-USB adapter.
Besides its CAN interface it contains a RS232 channel for a maximum of flexibility. The device can be used for monitoring of CAN networks, setting parameters of machines etc.

## **Key Features**



1× galv. isolated CAN interface acc. to ISO 11898



1×RS232



**Connection via USB 2.0** 



Free configuration of baud rate including 800 Kbit/s



**Powerful 32-bit microcontroller** 



**CODESYS Gateway-driver available** 



**Multi-Thread API for own applications** 



Driver for Windows 2000 up to Windows 10 with 32- and 64-bit

## **Housing and interfaces**

It is housed in a compact plastic case and offers a CAN channel and a RS232 channel. CAN is implemented via a D-Sub9 connector according to CiA standard. Its USB 2.0 interface enables the CANfox® to be used at any laptop, embedded PC or desktop PC. Once you have installed the driver you will benefit from hot plug and play which is a connection of device to PC without restart. Consequently, CANfox® offers all necessary interfaces located in a tiny case for mobile or stationary use.

# More performance, less costs

It is a powerful device within the Sontheim interface group with its 32-bit microcontroller for data-handling. However, the CANfox® is meant to be a flexible and very inexpensive tool. Thus, you can configure the baudrate via software and adapt it to your processes.

### **Technical Data**

CPU	32-bit microcontroller	
CAN	1× CAN interface acc. to ISO 11898, via D-Sub9	
RS232	1× RS232 interface, via D-Sub9	
USB	1× Standard USB Typ A, 75 cm cable length	
Baud rates	50 Kbit/s up to 1 Mbit/s, free configuration	
Max. Data transfer	1 Mbit/s at 90 % Bus load	
LEDs	3×3 mm LED	
Housing	compact plastic	
Operating temperature	−20°C up to +60°C	
Storage temperature	−40 °C up to +85 °C	
Rel. Humidity	20% – 90% non-condensing	
Power supply	via USB interface	
CANAPI (=Windows DLL)	Windows 2000, XP, Vista, 7, 8; 32-bit. Windows 98 on request	

## **Pin assignment**

ι	J	S	В





#### CAN





#### RS232





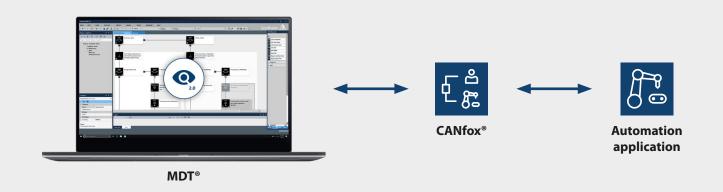
## **Comprehensive software support**

Of course, CANfox® is supported by all Sontheim tools like CANexplorer 4 for CAN bus diagnostics or MDT® for machine applications like diagnostics or End-of-Line processes. With the help of the included software interface (API), users can also run their own software. There is also a CODESYS support implemented in order to use the device for PLC and motion control tasks. Use it as a programming gateway for CODESYS-based PLCs or for downloading programms directly out of a CODESYS programming environment.

# The Sontheim Modular Diagnostic Tool Chain

You can easily create your individual and professional diagnostic solution for automation applications with the help of the Sontheim interfaces and diagnostic software. Some use cases by linking hardware and software are:

- · CAN data visualization, monitoring and processing
- Parameterization and control of whole CAN networks
- · Machine diagnostics
- Flash processes of electronic control units (ECUs)



## **Order information**





## **Mobile Automation**



**Industrial Automation** 



**Diagnostics** 



Connectivity

# We are looking forward to your enquiry!

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