



Geschäftsleitung

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port GmbH / Regensburger Straße 7b / 06132 Halle / Saale

Tel: +49 345-77755-0

Press contact: Dietmar R. Franke (CEO)

eMail: drf@port.de

PRESS RELEASE

port GmbH provides full range CANopen support for STM32 F0 Entry-level Cortex™-M0 MCUs

port GmbH extends the CANopen support for STMicro's STM32F0 Entry level Cortex™-M0 MCUs and provides connectivity for the entire STM32F family with Tools as well as with CANopen technology mit Treibern.

The "STM32 F0 Entry Level-Cortex™-M0-MCU" offers 32Bit power for very costs sensitive applications. The STM32F0 MCUs combine Real-Time performance, Low-Power operation and an advanced architecture.

The *CANopen Library* by **port** GmbH is based on the communication profils CiA 301 V4.2 by CiA e.V. "CANopen Application Layer and Communication Profile" resp. EN50325-4 and provides all corresponding services. The Library is created completely in ANSI-C and can be used with all regular ANSI-C compilers.

The *CANopen Library* is provided in different versions. For creating small sensors and actuators with limited CANopen functionality the low cost *Slave Small* version of the CANopen library is available. Only the amount of available services is limited and services like SYNC and TIME are not supported. The *Slave*-version of the *CANopen Library* provides all services for creating Slave-devices, operating the full range of CANopen slaves.

Network management as well as Node management fuctions are supported by the *Master/Slave*-version, which also provides full the range of the *Slave*-version.

The support for the **STM32F0** is untended for Single-Line functionality, which is available in BasicCAN- as well as in FullCAN-MODE.



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Port GmbH provides for the product lines STM32F0xx / STM32F1xx / STM32F2xx and STM32F4xx the complete range of CANopen support. Single-Line as well as Multi-Line functionality in BasicAN- Mode or in FullCAN-MODE are available. PROFINET and EtherNet/IP on STM32F2xx and STM32F4xx models are available by port as well.

The CANopen Library is supported by the CDT (CANopen Design Tool). The engineer can use a tool which reduces the development effort and the integration time significantly.

About port

port is known as one of the leading providers for communication technologies. Starting with CANopen in 1990 port the portfolio now contains all major protocols of the Industrial Ethernet world such as PROFINET, EtherNet/IP, EtherCAT and POWERLINK. Besides the standard activities like licensing protocol stacks, training and implementation port also offers customer specific engineering services and manufacturing services for electronic devices and systems.