

CDE100_Ethernet_to_CAN

This simple documentation is here to explain how to create go program to send and receive messages from CDE100 device. Documentation is for users that already know how CDE100 works, for information about it please seek for official documentation. For demonstrating purposes CDE100 is connected between PC and TDC-E. PC sends message to CDE and CDE converts it and sends it to TDC-E. New TDC NEXT can also be used.

How to Run

Connect PC ethernet interface to ETH side of CDE100 device and connect TDC-E can interface to CAN side of CDE100 device.

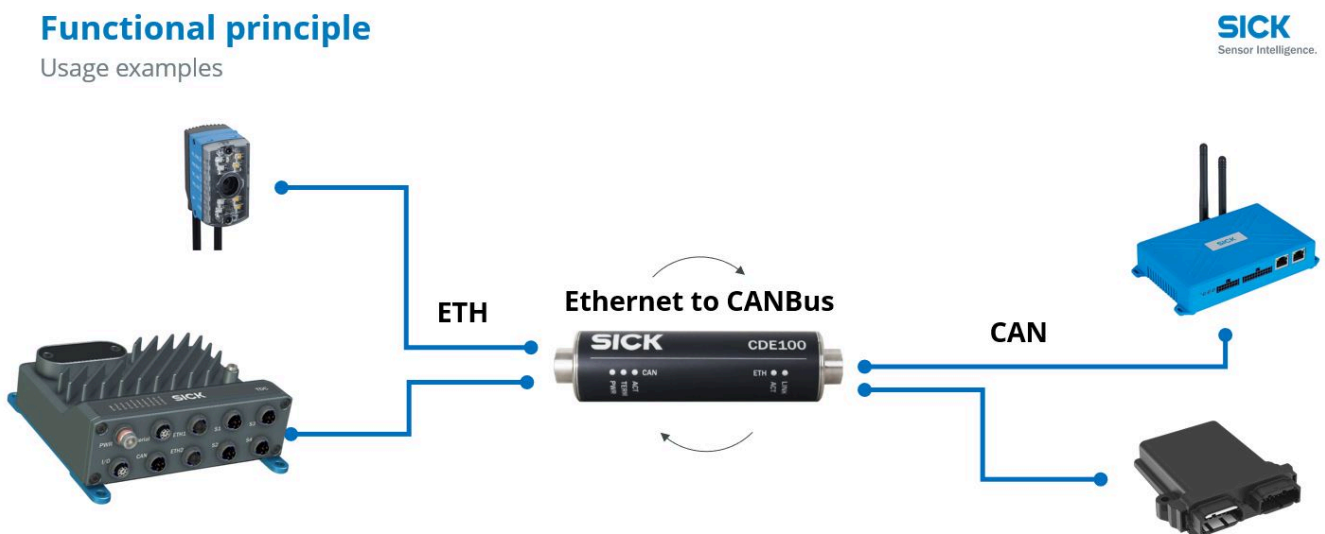
Start by running the app (F5) or debugging (F7+F10). See the results inside the console.

After that, connection to TDC-E must be ensured. Inside TDC-E you can run go app that was built.

Information

The CDE100 connection device converts Ethernet to CAN messages and vice versa.

CDE100 is designed for cable inline installations with configurable CAN communication baud rate and termination, CAN messages filtering, multiple CAN messages on one side and configurable ETH communication IP address, netmask, gateway on other side.



Description

Documentation contains an AppSpace application that simulates reading a QR code and sending it to another AppSpace application which will ultimately convert the QR code into Ethernet frame. CDE reads formatted frame and converts it to CAN frame and sends it to TDC-E which runs go application which will read CAN frames and convert them into real message which is barcode.

This documentation is intended for Ethernet to CAN messages, and is created because any device connected on ethernet side of CDE100 will not send proper frames until we format it. Users might think that device is not working while in reality their ethernet device is not sending formatted message. This documentary greatly benefit devices with AppSpace engine that can be pre programmed to send proper message to CDE100.

For detailed instructions how applications works please refer to the explanation document inside [docs](#).

Topics

introduction, syntax, lua, sampleapp, barcode, sick, sick-appspace, TDC-E, TDC-X, CDE100