



DATA SHEET

PSoC4 HV Derivate LIN Driver Stack

Overview

The LIN driver stack supports LIN 2.0, 2.1 and 2.2. Designers can easily add a LIN interface to their applications using Infineon PSoC4HV microcontrollers without the need of special LIN expertise. The driver stack comes with the PC based LIN Driver Configuration Tool, which configures the driver stack according to the user's settings. LDC Tool simply needs basic information such as:

- Infineon PSoC4 HV derivate
- LIN Description File (LDF)
- The node to be implemented (as per LDF)
- The controller speed



Characteristics

- Separate executable (requires PSoC Automotive PDL)
- IAR Compiler recommended
- LIN 2.0, 2.1 and 2.2, with J2602 and ISO 17987 on the development roadmap
- Intuitive operation
- Commander/Responder nodes
- Node configuration services
- Diagnostic services
- LIN Conformance tested

About our Drivers

Our drivers are LIN compliant and fully validated as per LIN standards. These reliable LIN certified drivers are available as pre-compiled libraries with the configuration generated by our LDC (LIN Driver Configuration) tool as C code for the embedded projects. The generated code supports the specified compliant LIN APIs. In addition, we offer optional add-on services such as UDS and LIN driver integration into your applications.