

IO-Link Device Stack v1.0 Release 3 (ported for TI MSP430F2274)

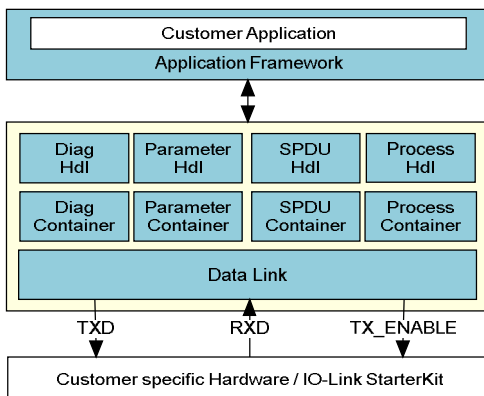
Overview

The IO-Link Device firmware library provides the developer of an IO-Link Device full access to all features and services defined in the IO-Link Specification Revision 1.0.

The firmware also supports the as optional defined features like Service PDU, Interleave Mode and diagnostics handling with event details. This library is ported onto an TI MSP430F2274 based hardware platform using the standard physics. The library is to be used with Code Composer Essentials V3.1.



Block Diagram



Features

- IO-Link Device firmware in Source Code according to IO-Link Specification version 1.0
- SPDU transport for more than 32 byte parameter data
- Supports all IO-Link data channels
- Full diagnostic handling with event details
- All IO-Link frame types supported
- Supported Baudrates: 4k8, 34K8 and 230k4
- Modular design, Performance optimized architecture
- Code coverage tested
- Detailed development documentation with description for portation to different hardware platforms

Resources

	FLASH [B]	RAM [B]
Minimal	3720	120
Interleave	+1030	+220
SPDU	+2270	+490
Event Details	+360	+20

Delivery Content

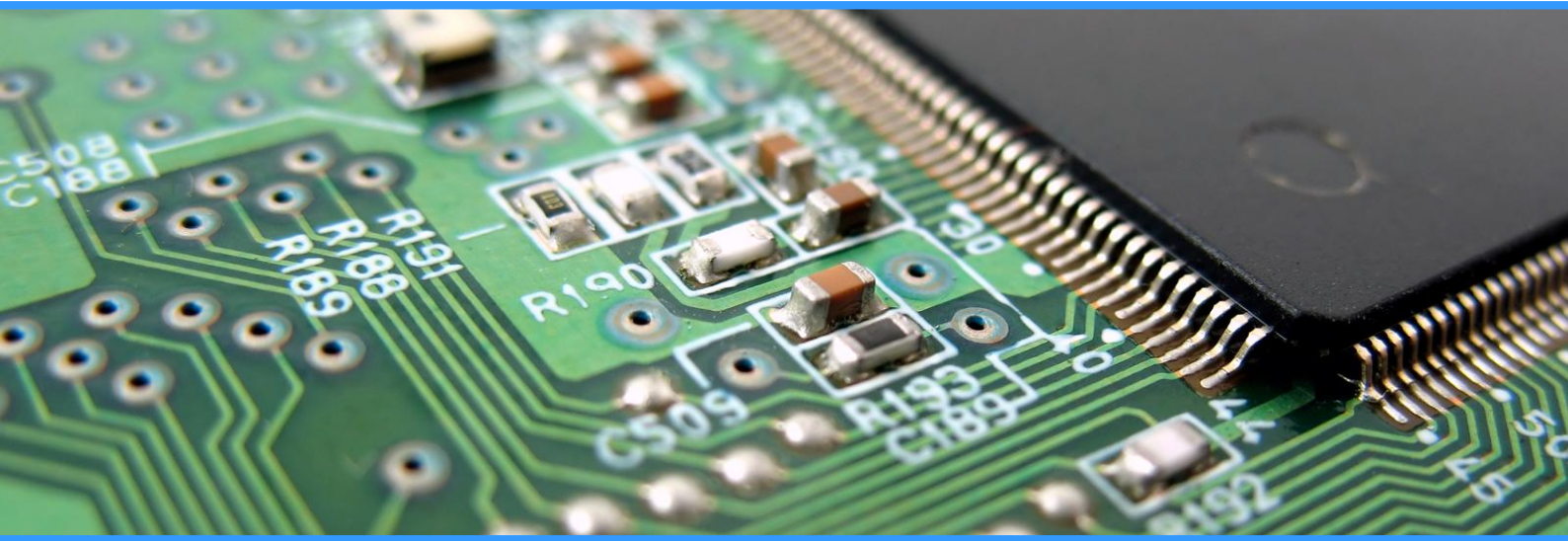
- IO-Link Device Firmware Stack V1.0 Release 3
- CD ROM with documented Source Code written in ANSI –C
- Sample main () application
- Software development documentation with description of hardware adaptation
- Compiler & Linker setup example for Code Composer Essentials V3.1
- Full Company Buyout License
- Already usable for a Slave Hardware Platform based on MSP430F2274 with standard physics

Related Options

- Slave Hardware Evaluation board
- MESCO IO-Link StarterKit (HW/SW for Master, Slave and Monitor)
- MESCO IO-Link Monitor
- Development services for customer specific Hardware and Firmware
- Conformance testing

Order Information

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