TMG TE

Renesas Ready Ecosystem Partner Solution

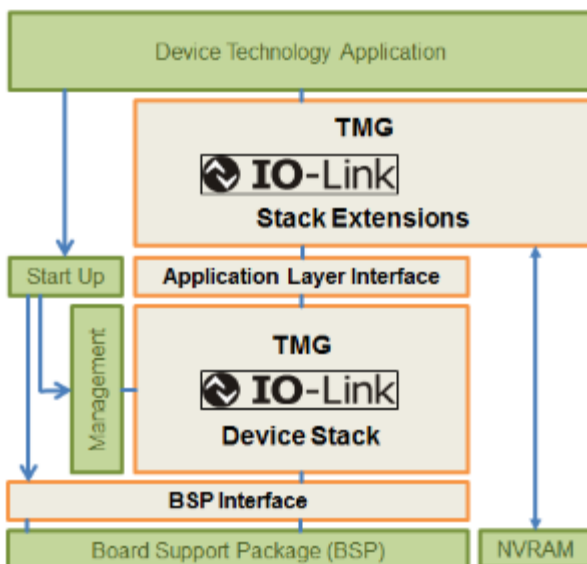# TMGTE IO-Link Device Software

RENESAS PARTNER NETWORK READY

Solution Summary

With the very comprehensive TMGTE IO-Link Device Software, simple to complex IO-Link projects can be realized on all platforms including the new RA MCU Family, RX MCU Family and RL78 MCU Family in a very short time.

Features/Benefits

- IO-Link Device Software conformant to IO-Link Specification V1.1.3
- Supports all telegram types and bit rates
- Backward compatibility to IO-Link V1.0 Masters
- Easy integration on all microcontrollers (8/16/32 Bit) including RA Series
- Works with all IO-Link transceivers including ZIOL2401, CCE4502, CCE4503, RH4Z2501
- Very small footprint
- Application framework available
  - Best practice implementation proved in many customer projects

Diagrams/Graphics

IO-Link Device Stack

The Stack implements the IO-Link communication interface and provides the entire IO-Link functionality for this purpose.

IO-Link Device Stack Extensions

The Stack Extensions implement the IO-Link related Device application with:
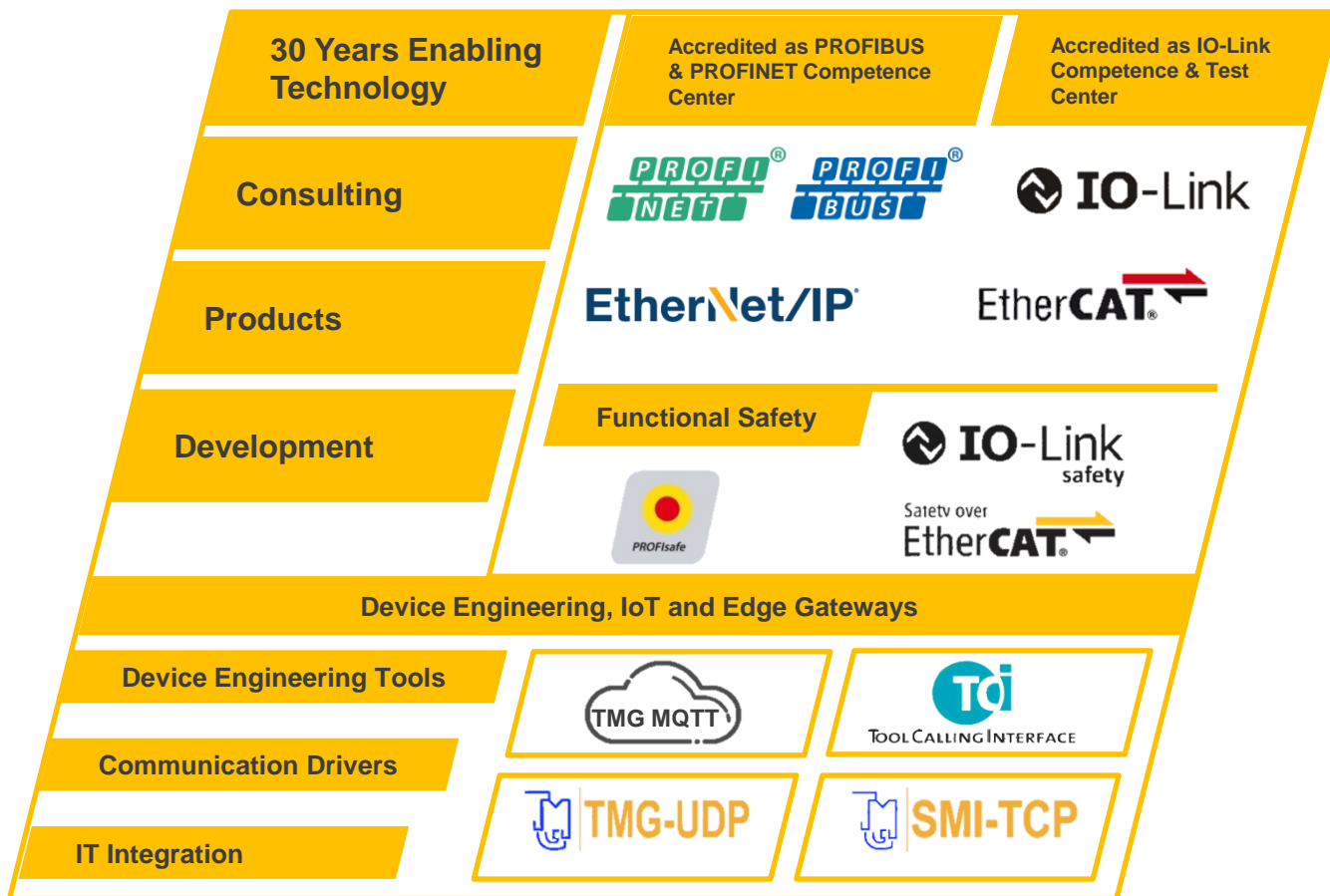
- Parameter Manager, Data Storage, Block Parameterization, Event Dispatcher, Device Status and Detailed Device Status, Parameter Consistency Check, Application-Reset and Back-to-Box commands

Target Markets and Applications

- Industrial Sensors
- IO-Link

TMG Technologie und Engineering - IO-Link Device protocol stack

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TMG TE

30 Years Enabling Technology

Consulting

Products

Development

Accredited as PROFIBUS & PROFINET Competence Center

Accredited as IO-Link Competence & Test Center

Functional Safety

Device Engineering, IoT and Edge Gateways

Device Engineering Tools

Communication Drivers

IT Integration

About TMG TE

TMG TE is one of the leading technology providers and service providers in industrial communication technology, especially for IO-Link, PROFINET, EtherNet/IP, EtherCAT and PROFIBUS.

TMG TE is a member of the IO-Link Community, PROFIBUS & PROFINET International, ODVA and ETG and takes part in the most important working groups that promote and improve these technologies.
We are also member of the IO-Link Steering Committee and an accredited competence center for IO-Link, PROFINET and PROFIBUS as well as an accredited IO-Link Test Center.

TMG TE has its own technology products such as IO-Link Master and Device Stacks, modules, evaluation boards and engineering and test tools. A large number of projects have already been implemented with the help of the technology products.

TMG TE has a large worldwide market share and we are the market leader in particular for IO-Link. Our technology products are always developed according to the latest specifications.

For more information, please visit:
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