

Master Development Kit 2

for Windows
Change Log

Version 2.4.25003.0
Date 2020-05-22

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1 MDK for Windows 2.4.25003.0, released 2020-05-22

1.1 Features

1.1.1 Auto configurator

A possibility to configure the bus on the fly has been added. The Online Configuration module (Auto Configurator) allows the user application to create a bus configuration by applying slave's configuration provided by its vendor (EtherCAT Slave Information - ESI) or an extended slave's configuration generated by KPA EtherCAT Studio (user's ESI - uESI).

For details, refer to Master API Help (Getting Started/ Autoconfigurator).

1.1.2 MIP Samples installation improvement

MIP samples were moved to the Program Data folder and from now on you can install samples for different versions of MS Visual Studio which installed on your PC. Also, it is possible to rebuild installed samples for a new version of MS Visual Studio by using the Change option of MIP installer.

For details, refer to MDK Readme (MIP installation).

1.1.3 New samples

New samples have been added:

26_MultiMaster - demonstrates how to work with several Master instances in the same process.

40_SimplePLC - demonstrates the usage of MIP framework from the user application.

1.2 Fixed bugs

- API Help item in the Start menu is displayed with a wrong name.
- Memory leak on Master detach with disabled the Resource Manager service.
- Cannot attach to the bus with KPA PCI Board repeatedly when DC is enabled.
- Framework initialization processes cycles (Init-OP cycle) if final initialization target is changed from "Ready" to "Request State"
- Slaves follow master state if `transition.disablesslavefollowstate=1`.

2 MDK for Windows 2.3.43629.0, released 2020-04-03

Initial release of KPA EtherCAT Master Development Kit 2.3 for Windows based on version 1.6.

It includes new features:

- Asynchronous control
- Simple Tasks execution
- Multiple EtherCAT Cyclic Tasks
- Modular design
- PI-driven control
- Events based model
- EtherCAT network driver: zero copy

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