

About

KOENIG Prozessautomatisierungs GmbH (KPA):

KOENIG Prozessautomatisierungs GmbH was established in 1986.

Primary activity of the company that time was providing engineering services for equipment installation and commissioning. In the early 90s the company's mission was extended to development and commissioning of process control systems.

In 2004 KPA joined EtherCAT Technology Group (ETG) and since 2006 the company is providing products and services related to automation systems based on EtherCAT technology.

KPAs distribution partners include:

- RADIC Technologies for USA, Canada, Japan, Mexico
- easiTEC S.r.l. for Italy
- Steinhoff for Germany

KPAs development and service partner since 1998:

- Visutech System in Minsk (Belarus), 60 employees

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KPA Master EtherCAT for OnTime RTOS-32

KPA Master EtherCAT can now run on OnTime RTOS-32, one of the fastest embedded real-time operating systems for x86 processors.

KOENIG Prozessautomatisierungs GmbH (KPA) now presents the EtherCAT Master for On Time RTOS-32, an embedded RTOS for systems using 32/64-bit x86 compatible CPUs in protected mode.

The EtherCAT distribution package is available as SDK (Software Development Kit) which includes the Operating System Abstraction Layer as a source code and EtherCAT function as libraries.

Sample applications are provided in "C" source code and well documented.

The standard version of KPA Master EtherCAT includes Distributed Clocks thus enabling network time distribution and synchronization of Slaves and Master. The Premium version supports "Cable Redundancy" which ensures ongoing function of the network in case of cable or device failure, "Hot Connect" that allows plug-in/out or hot-swap of pre-configured devices even in the highest mode (Operational) and "Individual Scan Rates" for signals which helps to lengthen the cycle time for devices with lower priority and as a result to minimize the system load.

For On Time RTOS-32 there is also KPA Starter Kit EtherCAT available including eight EtherCAT Slaves wired (Test Board), software, licenses and a detailed description introducing the usage of EtherCAT Master functionality step by step.