

## koenig-pa GmbH Short Profile

koenig-pa GmbH, a company specialized in industrial automation software and hardware, offers world-wide high-quality automation technologies and integrated solutions. koenig-pa GmbH was founded 1986 in Feucht near Nuremberg as König Prozeßautomatisierungs GmbH. Our company has sales and engineering partners all over the world.

Our company joined the EtherCAT Technology Group (ETG) in 2004, and since then, we have been continuously developing and offering EtherCAT® based software and hardware products as well as services for different real-time systems for the production and testing industries.

Our quality management system meets ISO standards and covers all our products and services. All company processes, from a product order to technical support, are managed according to our quality management system.

## Milestones

- 2023 KPA Automation softPLC 1.5. Scaling and Engineering unit mapping
- KPA Automation softPLC 1.4. OPC UA Publish-Subscribe
- KPA Automation softPLC 1.4. OPC UA File transfer
- KPA Automation softPLC 1.4. Support of PROFINET
- KPA Automation Server. OPC DA support
- KPA Automation Studio. Indicator states
- KPA EtherCAT Master 2.5
- KPA EtherCAT Master 2.5. New reference designs with Vivado 2019.1
  - for Zynq UltraScale+ MPSoC ZCU104 with CPU A53/R5
- KPA EtherCAT Master 2.5. PI variables validation of send/receive regions and
  - API calls to get information slave's PI variables
- KPA EtherCAT Master 2.5. Errors handling for EEPROM errors service
- KPA EtherCAT Master 2.5. Zynq Xenomai support and Hardware Integration Package
  - for Xilinx ZC702 Evaluation Board
- KPA EtherCAT Master 2.5. QNX 7.1 support
- KPA EtherCAT Master 2.5. INtime 7.0 support
- KPA EtherCAT Master 2.5. Support for latest version of Windows 11 and Microsoft Visual Studio 2022
- KPA EtherCAT Master 2.5. KPA Sentinel dongles for Linux-based OS
- KPA EtherCAT Master 2.5. Support for Texas Instruments AM572x Industrial Development Kit (TMDSIDK572)
  - with using the PRU-ICSS sub-system
- KPA EtherCAT Master 1.6/2.5. RTX64 4.4 support
- KPA EtherCAT Studio 2.12
- KPA EtherCAT Studio 2.12. Improved CANopen plug-in
- KPA EtherCAT Studio 2.12. Invalid EEPROM overwriting
- KPA EtherCAT Studio 2.12. SCI support
- KPA EtherCAT Studio 2.12. Automatic detection and start of local Master
- KPA Motion Control 1.15
- KPA Motion Control 1.15. G-code parser
- KPA Motion Control 1.15. Torque control
- KPA Motion Control 1.15. Custom drive profile

- 2022
  - KPA Automation softPLC 1.3. OPC UA Client
  - KPA Automation softPLC 1.2. SDK
  - KPA Automation softPLC 1.2. OPC UA Alarms & Conditions and Events
  - KPA Automation softPLC 1.2. MQTT
  - KPA Automation. 21 CFR Part 11 compliance
  - KPA EtherCAT Master 1.6. Support for Xilinx ZC702 Evaluation Board
  - KPA EtherCAT Master 1.6/2.4 INtime dongle binding
  - KPA EtherCAT Master 2.4. Support for Nano-PI target board
  - KPA EtherCAT Master 2.4. Autoconfigurator. FSoE
  - KPA EtherCAT Master 2.4 for RTX64. Support for NAL interface drivers
  - KPA EtherCAT Studio 2.11
  - KPA EtherCAT Studio 2.11. Dashboard
  - KPA EtherCAT Slave Stack. Support for Beckhoff FC1100 Board
  - KPA Motion Control 1.14
  - KPA Motion Proxy
- 2021
  - KPA Automation 4.3
  - Alarm Library Service (ALS)
  - ALS Configurator
- 2020
  - KPA Automation Data Analytics
  - KPA Automation 4.2
  - KPA Automation softPLC
- 2019
  - KPA Automation Server
  - RPCClient SDK for Linux
  - KPA EtherCAT Master 2. Autoconfiguration
  - KPA Master Redundancy. Xilinx Zynq/US+ IP Cores
  - KPA EtherCAT Master 2. TimedSend mode
- 2018
  - KPA Master Redundancy patent (US 10.102.163 B2)
  - KPA Master Redundancy. Texas Instrument Sitara PRUSS
  - KPA Automation View
  - KPA Automation Studio
  - KPA EtherCAT Master, Virtual COM drive
  - KPA 4-CAN EtherCAT Gateway. Smart CAN filter
  - KPA EtherCAT Master. Virtual COM driver
  - KPA PCIe card. Cable Redundancy & Distributed clock
  - KPA EtherCAT Master 2. PI logger
- 2017
  - KPA Motion 1.2
  - Xilinx US+ (Ultrascale plus platform) with FreeRTOS
  - KPA EtherCAT Master 2.1
- 2016
  - KPA EtherCAT Slave, Ti C2000, PHYTEC Am335x
  - KPA Automation 3.21
  - KPA EtherCAT Master RTX64 3.0, RTX 2016, SYS/BIOS
  - KPA EtherCAT Master 2.0, VxWorks 7.0, Intime
  - KPA EtherCAT Studio 2.0, Studio development framework

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- 2015 KPA EtherCAT Master for T-Kernel, Zynq, Cyclone  
KPA EtherCAT Master Ti Sithara, Xenomai 3.0  
KPA EtherCAT Master INtime 6, QNX 6.6, RTX 2014, RTX64, VxWorks 6.9
  - 2014 KPA EtherCAT Master 1.6
  - 2013 KPA Motion for EtherCAT  
KPA 4-CAN EtherCAT Gateway
  - 2012 Freescale, QNX, ISaGRAF and koenig-pa GmbH launch "PLC in a Box"  
MDK for Xenomai  
Concurrent's SIMulation Workbench™ Real-time Modeling Environment with KPA EtherCAT Master
  - 2011 KPA EtherCAT Slave in embedded System
  - 2010 Company re-branded as koenig-pa GmbH  
KPA EtherCAT Stacks on Freescale Technology Forum 2010 – Orlando, FL
  - 2009 Xenomai, QNX support
  - 2008 KPA EtherCAT PCI Board, KPA EtherCAT PC104 Boards, INtime
  - 2007 KPA EtherCAT Slave, RTX
  - 2006 KPA EtherCAT Master for Linux
  - 2005 KPA EtherCAT Studio for Linux
  - 2004 Joining EtherCAT Technology Group (ETG)
  - 1986 Foundation of König Prozeßautomatisierungs GmbH