



Real freedom of design in
hard- and software



KeControl FlexCore

The open automation system

KeControl FlexCore is a scalable, comprehensive and modular automation system. Based on its open hard- and software architecture it offers maximum flexibility for individual solutions. With KEBA, customers have a reliable partner by their side who provides best support in any stage of the product life cycle.

Customized one-stop solutions

With KeControl FlexCore customers have unprecedented freedom when configuring their individual turnkey automation systems.

KeControl FlexCore software

The automation software features modular expansion stages, from a pure operating system with standard API to real-time-capable industry solutions with ready-to-use technology modules for injection molding, motion and robotics. A standard Linux system with open architecture serves as a flexible basis.

Thanks to standardized, well-documented interfaces, the system can be individually expanded on any level. Customers can easily and quickly integrate their application-specific software – all the way down to the core of the system, and combine it with reliable KEBA technology modules.

KeControl FlexCore hardware

Likewise, the hardware portfolio stands out through its open architecture, which allows for flexible expandability.

Both our I/O and extension modules can be directly side-mounted on the KeControl C5 control system for instance.

Best-possible differentiation

By using proven KEBA technology, customers no longer need to take care of basic automation but can fully concentrate on their own core competencies. Thus, sustainable competitive advantages and a faster „time to market“ can be realized.

Optimum know-how protection

With the development environment KEBA KeStudio, customers can integrate their software in the KeControl FlexCore system themselves. Hence, the source code needn't be passed on to third parties. This guarantees the best possible know-how protection, safeguarding customers' competitiveness.

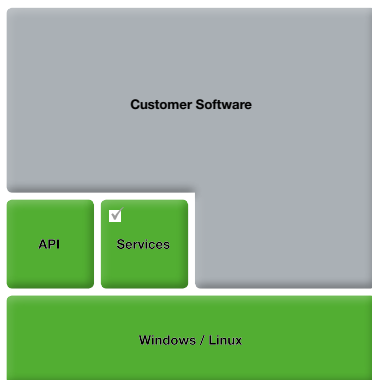
Ready for the future in any regards

With KeControl FlexCore customers decide for an ultra-modern solution, which can be flexibly adjusted to meet higher performance requirements in future if required. Further, plug-and-play industry 4.0 solutions and innovations with regards to HMI, robotics, injection molding and control technology can be integrated at any time easily.

KEBA®

Automation by innovation.

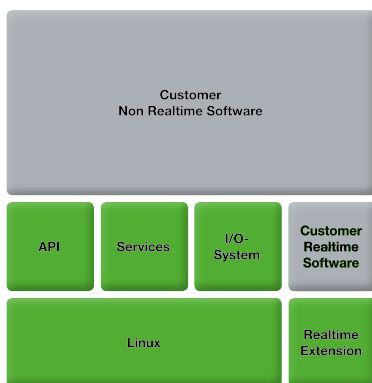
The open software architecture of KeControl FlexCore



FlexCore BASIC

The optimum IPC platform

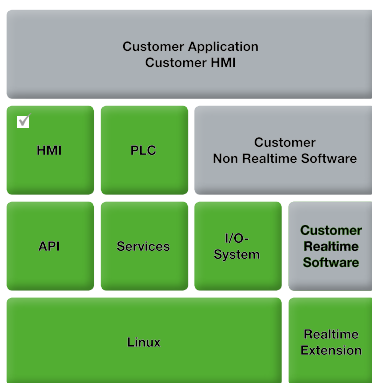
- Linux or Windows as operating system
- Convenient standard API (Application Programming Interface)
- Additional services for easy diagnostics, etc.
- Functions for fast commissioning and easy backup/restore



FlexCore REALTIME

For realtime applications using the KEBA I/O system

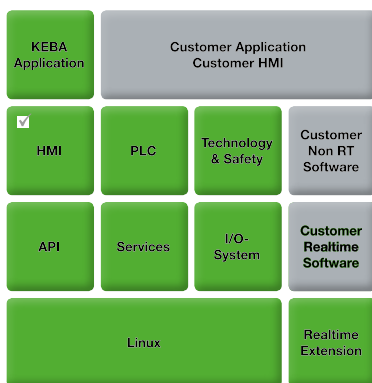
- Standard Linux with practice-proven realtime expansion
- Its own development environment for easy C programming and remote debugging
- Interfaces for realtime programming and to the I/O system
- Fast porting of existing software through POSIX API



FlexCore PLC

Expand the CoDeSys IEC standard with C programming

- Customers can integrate their own runtime systems in C, parallel to the IEC system
- Extensive engineering tools suite for configuring field buses and I/Os as well as for PLC and C programming
- Can be combined with the modern KeView visualization software



FlexCore TECHNOLOGY

Combine own know-how with KEBA technology modules

- High-end technology modules for injection molding technology and robotics, including HMI, wizards and configuration
- Optional safety solution for PLC, motion and robotics
- FlexCore TECHNOLOGY is available as KePlast and as KeMotion industry-optimized solution.



Automation by innovation.