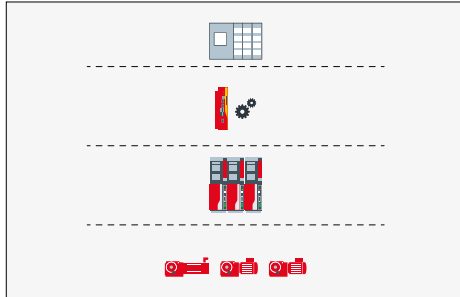


MOVI-C® CONTROLLER

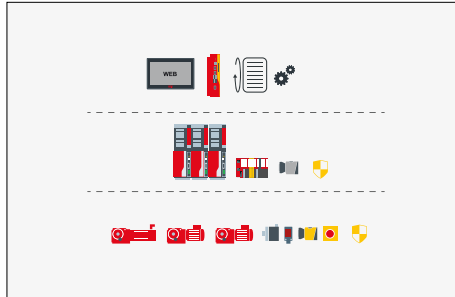
Type UHX86A



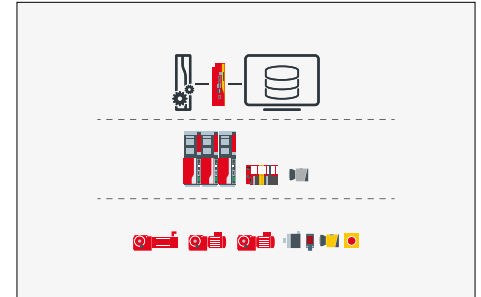
POSSIBLE USES / TYPICAL APPLICATIONS



1. Suitable for motion control tasks



2. Suitable for automation control tasks



3. Suitable for cyber-physical control tasks

THE ADVANTAGES AT A GLANCE



Networked!

High-grade, application-specific networking, both at fieldbus level and through the multi-purpose operating system.



User-friendly!

An end-to-end engineering environment for programming the process sequence via transparent PROFIsafe routing; CFast™ card for rapid replacement of devices without PC.



Robust and high-performance!

Less hardware means less potential for failure – one top-quality device made by SEW-EURODRIVE that combines IPC and PLC.



Scalable!

Processor and hard disk scalable for IoT applications; prepared for future integrated function modules.

OVERVIEW OF THE TECHNOLOGY

The MOVI-C® CONTROLLER type UHX86A (**NEW**) expands the MOVI-C® modular automation system's controller portfolio at the top end of the performance range. It has a large number of multi-purpose interfaces and supports all standard fieldbus protocols for both upstream and downstream bus stations. What's more, this controller takes a hybrid approach, meaning it can run a real-time and a multi-purpose operating system independently of each other and in parallel using hypervisor technology.

As a result, this controller is not only ideal for use as a motion controller or machine control, it can also be used as a cyber-physical controller (CPC) or for Industry 4.0 applications. A wide range of applications can now be reliably covered by a single device, without making any compromises in terms of security, industrial capability, or user-friendliness.

- Hypervisor environment – multi-purpose and real-time operating system on a single processor
- EtherCAT® (SBus^{PLUS}) for rapid motion control
- High-performance processor technology – Intel® Celeron®/Core™ i3/i7 processors
- Several fieldbus variants – PROFINET IO, EtherNet/IP™, Modbus TCP
- NVRAM for persistent data storage
- Transparent PROFIsafe routing to inverters from the MOVI-C® modular automation system
- Variants with passive and active cooling
- Interchangeable storage media for rapid device replacement
- Numerous interfaces (USB, Ethernet, fieldbus)
- Robust design for stationary and mobile applications



- 1. Motion control:** In this case, the controller is used for high-performance motion control based on the principle "parameter setting instead of programming" – ideal for complex machines with multiple (32+) synchronized axes.
- 2. Automation control:** The controller is used for controlling real-time process sequences such as in machines, in trial automations or in intralogistic systems.
- 3. Cyber-physical control:** In this case, the controller is used for data-driven high-end applications requiring high-quality, application-specific networking.