



## Your Open Operating System Where Industrial IoT Meets Automation

Meet **u-OS**, an open operating system uniquely engineered for Industrial IoT and Automation. u-OS enables seamless integration of automation and digital technologies in one unified environment.

**u-OS = Open.** Experience unmatched integration with u-OS's open architecture, effortlessly incorporating your proprietary applications and cloud connectivity for simplified edge computing.

**u-OS = Flexible.** Tailor u-OS to your unique needs with an intuitive App Manager, facilitating access to diverse apps like CODESYS and Node-RED for endless innovation and scalability.

**u-OS = Independent.** Embrace freedom with u-OS, built on open standards like Linux and Containers to ensure future-proof resilience and easy system migration.

### Your benefits at a glance

- **Made for maintenance:** easy cloud-based diagnostics & fleet management for your remotely deployed devices
- **Seamless integration:** merge proprietary & 3rd-party apps effortlessly
- **Future-proof:** built on open standards like Linux, OPC-UA and Docker
- **Vendor independence:** no lock-in, more choices
- **Universal compatibility:** supports multiple fieldbus protocols
- **Easy scalability:** expand and adapt with cloud-based device management
- **Migration-ready:** transition to new systems without the hassle



# u-control

High-performance modular controllers for industrial automation and IoT applications

## Controls (PLC)

### M-Series: where future-proof technology meets industrial needs

Introducing the M-Series modular controllers — Weidmuller's powerful hardware for your Automation and Industrial IoT needs, combining the best of IT and OT into one robust platform.

#### Why choose M-Series?

- **Plug & play:** easily expandable with additional interfaces like fieldbuses, WiFi, LTE and function modules
- **High-performance:** choose from models with up to 4 GB DDR4 RAM and multi-core processing
- **Operational flexibility:** multiple runtime systems can be independently installed
- **Open for the future:** powered by u-OS, the on-ramp to Industry 4.0

Whether you're running a small operation or an industrial complex, the u-control M-Series has a solution tailored for you.

## u-OS compatible

More target systems — "from data to value"



### IoT Gateways

Acquisition of machine data and access to field devices and controls



### u-control 2000

One of the most compact and modern control systems



### u-remote

The best remote I/O system from the pioneer of connection technology



### CODESYS on u-OS

Harness the power of the CODESYS APP, fully integrated into the u-OS platform. Whether you're an automation expert or a newcomer, CODESYS provides a robust, user-friendly programming environment tailored to your needs.



Learn more about our automation solutions!  
More independence. Simplified. u-OS.

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