

# Controls IoT Bundle

Hardware, KontronOS, CODESYS® RT and protocols optimally coordinated with each other

Kontron offers a comprehensive range of CODESYS® control hardware, from Raspberry Pi and ARM® i.MX family to Intel Atom. Our solutions include SOM modules, control units, IPCs, IO block modules and HMI solutions with control & web panel including QIWI toolkit. Our standard products enable customer-specific adaptations and support protocols such as EtherCAT Master, CANopen, Profinet, Profibus, Modbus and EtherNet IP as well as IOT cloud connections (OPC UA, MQTT). Attractive CODESYS® license prices round off the complete solutions with hardware and operating system.

## Compatible Hardware



WP Web Panel 4x, 6x



CU Control Unit /  
Control Unit Mini 6x



CP Control Panel 6x



SOM i.MX6 UL/ULL,  
OSM-S i.MX8M  
Mini & Plus



AL und BL i.MX6 ULL,  
i.MX8M Mini & Plus



BL Pi-Tron CM3+,  
CM4, CM5



PiXtend® V2

## Compatible Software



**KontronOS**



**CODESYS**

## Advantages



Reduced  
Time-to-Market



Ready-to-use  
platform



Investment  
protection and  
flexibility



Complete  
solution from a  
single source



Comprehensive  
support and advice

## Massive Reduction in Development time, risks and costs

### Powerful Tools

- › Development tools for automation
- › All tools are license-free
- › Versatile function libraries
- › Ready-to-use function modules

### Extensive protocols

- › EtherCAT Master
- › CANopen, Profinet
- › Modbus, EtherNet IP
- › OPC UA, MQTT

### Modern HMI Development

- › CODESYS WebVisu, TargetVisu and HMI
- › Visualization with QIWI Toolkit
- › Display on Web Panel and FlatClients
- › Control level decoupled from Visu

### Individual Solutions

- › Standard products as a basis
- › Assembly Variants and adaptations
- › Customized Hardware development
- › SOM module / individual baseboard

### Comprehensive Support

- › Regularly updated Wiki
- › Examples and training
- › Documents, images and FAQs
- › Application development by Kontron

## How you benefit as



### Developer

- Proven examples
- Diverse function libraries
- Support for numerous protocols
- HMI with Web-Technologies



### Product Manager

- One partner for hardware, software and licenses
- Individual solution based on standards
- One partner for hardware, software and licenses
- Immediate start of product development



### General Manager

- Reduced development costs and risks
- Faster time-to-Market
- Focus on core competence
- Investment protection thanks to Hardware independence



## Efficiency, Investment Protection and comprehensive Support

The Kontron platform enables uniform control hardware and software across all product lines, which leads to standardization and a reduction in variants. It is modular and scalable in terms of computing power, memory, interfaces, display types and I/O configuration. Investment protection is guaranteed by platform evolution and CODESYS®, which means that software development costs are retained thanks to hardware independence and reusable software. The manufacturer-independent and portable software enables an immediate start with existing assemblies and software modules. Kontron Electronics AG offers a regularly updated Wiki with Quick Start Guide, documents, images, FAQs and examples.

## **Kontron CODESYS® products are “Ready to use”!**

The Kontron control platform enables a significant reduction in development time, risks and costs. Thanks to the “ready-to-use” solution, customers can start implementation immediately. The platform offers investment protection through hardware and operating system independence, so that application software can be ported to new hardware with minimal effort. Powerful CODESYS® development tools and optimized standard images are available for all standard Kontron Electronics devices. Customers receive hardware and licenses from a single source.

Kontron offers a coordinated overall package of hardware, operating system and CODESYS® including licenses as well as comprehensive support for CODESYS® application development and system design. Customers benefit from continuous updates, maintenance of CODESYS® images and comprehensive software support. The extensive library contains function modules for alarm handling, recipe management, trending, PDF generation and much more.

## **“Kontron CODESYS®: Flexible, powerful - from controllers to HMIs.”**

Kontron offers a comprehensive solution for standard and customized implementations. Customers benefit from full support and assistance with CODESYS® application development as well as advice on system design. If required, Kontron develops customized control systems. The platform ensures investment protection through hardware independence and reusable software. Key elements such as NVRAM and galvanically isolated fieldbuses on industrial connectors ensure reliability and flexibility. With Kontron you get a future-proof solution that reduces your development time and costs and at the same time optimizes the performance of your applications.



**Contact us for a  
customized offer!**

### **Contact**

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