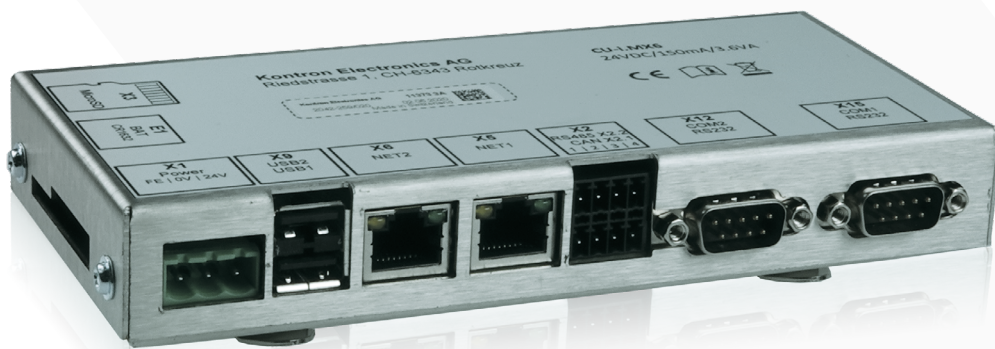


# CU Control Unit 3X



## Universal, robust industrial PC with scalable performance

- Based on NXP i.MX6 Dual Core Arm® processor
- Industrial grade, 10 year availability
- Fanless compact design for DIN rail, mounting in portrait or landscape format
- Optionally CODESYS SoftPLC with WebVisu, EtherCAT, PROFINET, Modbus, CANOpen fieldbus protocols

## CU Control Unit 3X - Smart, Fanless, Compact

This smart control unit series combines an industrial grade design with multiple mounting options and a wide range of interfaces. This series is based on the long-term available NXP i.MX6 Dual Core Arm® processor and offers high performance in a small space. The Control Unit 3X family is ideal for cost sensitive control and gateway application for example in a control cabinet. The Control Unit 3X devices offer numerous interfaces and fieldbus protocols that allow connection to a

wide variety of devices. The control units can be delivered with CODESYS SoftPLC development tools for fast and efficient implementation of sophisticated automation and visualization solutions.

The control units have been designed as long available devices (> 10 years) and can also be customized and optimized to your individual requirements.

## Technical Information

<b>PROCESSOR</b>	<b>CPU</b>	NXP Arm® i.MX6 2 Cores, 800 MHz
<b>MEMORY/STORAGE</b>	DRAM DDR3L NAND/NOR-FLASH SRAM SD-CARD	1 GByte, soldered 512 MByte/1 MByte 128 kByte microSD slot (up to 32 GByte)
<b>INTERFACES</b>	USB ETHERNET CAN SERIAL PORTS	2x USB 2.0 (Host) 2x Ethernet (10/100) independent 1x CAN (isol.) 2x RS232, 1x RS485 (isol.)
<b>REAL TIME CLOCK</b>	<b>RTC</b>	Battery buffered RTC
<b>MECHANICAL</b>	CONSTRUCTION COOLING DIMENSION (HxWxD) WEIGHT MOUNTING	IP20, stainless steel Fanless 174 x 78 x 26 mm 0.40 kg For mounting on 35mm mounting rail acc. To EN 60715
<b>ENVIRONMENT</b>	POWER POWER CONSUMPTION EMC SHOCK (EN 60068-2-27) VIBRATION (EN 60068-2-6) OPERATING TEMPERATURE STORAGE TEMPERATURE HUMIDITY ALTITUDE	24 VDC ±20 % Typ. 3.6 W EN 61000-6-2 (immunity), EN 61000-6-4 (emission) n.a. n.a. 0 °C ... +55 °C -20 °C ... +70 °C 10 %-90 % @ 39 °C, non-condensing Up to 6.500 ft (2000 m)
<b>SOFTWARE</b>	OPERATING SYSTEM SOFTPLC (OPTION) PROTOCOLS (OPTION)	Embedded Linux (Yocto) CODESYS V3, Target Visu, Web Visu EtherCAT, Modbus TCP/RTU, Profinet, Ethernet IP, CANopen, OPC UA, IIoT Libraries (MQTT, HTTPS; Azure, AWS, Google..)
<b>APPROVALS</b>	<b>CERTIFICATIONS</b>	CE



## About Kontron

Kontron is a global leader in IoT/Embedded Computing Technology (ECT) and offers individual solutions in the areas of Internet of Things (IoT) and Industry 4.0 through a combined portfolio of hardware, software and services. With its standard and customized products based on highly reliable state-of-the-art technologies, Kontron provides secure and innovative applications for a wide variety of industries. As a result, customers benefit from accelerated time-to-market, lower total cost of ownership, extended product lifecycles and the best fully integrated applications.

For more information, please visit: [www.kontron.com](http://www.kontron.com)

## About Kontron Electronics

Kontron Electronics AG acts as a provider of automation solutions. The enterprise is at home in a variety of sectors, such as industrial machinery and device manufacturing, medical technology and building automation. Our portfolio includes proprietary and client-specific products, development and design services for complex electronics components, modules and systems, as well as production and assembly services for entire devices. The company is part of the technology corporation Kontron AG.

For more information please visit: [www.kontron-electronics.com](http://www.kontron-electronics.com)

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