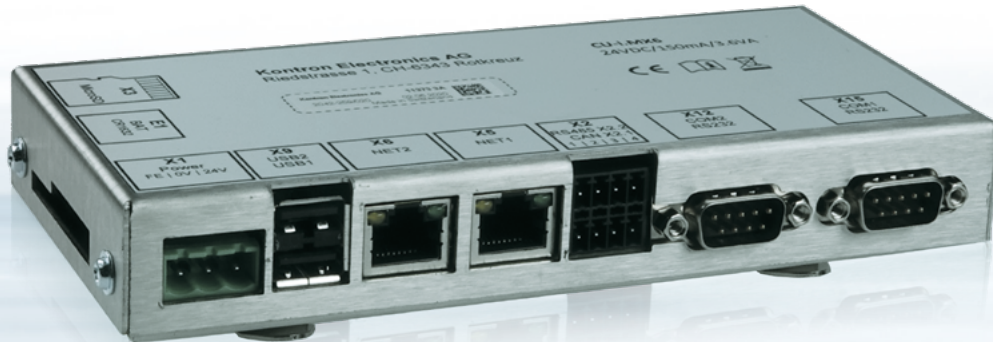# CU CONTROL UNIT 3X

▼

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

POSSIBILITIES START HERE

kontron
S&T Group

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

PROCESSOR	CPU	NXP Arm® i.MX6 2 Cores, 800 MHz
MEMORY/STORAGE	DRAM DDR3L NAND/NOR-FLASH SRAM SD-CARD	1 GByte, soldered 512 MByte/1 MByte 128 kByte microSD slot (up to 32 GByte)
INTERFACES	USB ETHERNET CAN SERIAL PORTS	2x USB 2.0 (Host) 2x Ethernet (10/100) independent 1x CAN (isol.) 2x RS232, 1x RS485 (isol.)
REAL TIME CLOCK	RTC	Battery buffered RTC
MECHANICAL	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
ENVIRONMENT	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)
SOFTWARE	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..)
APPROVALS	CERTIFICATIONS	CE

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