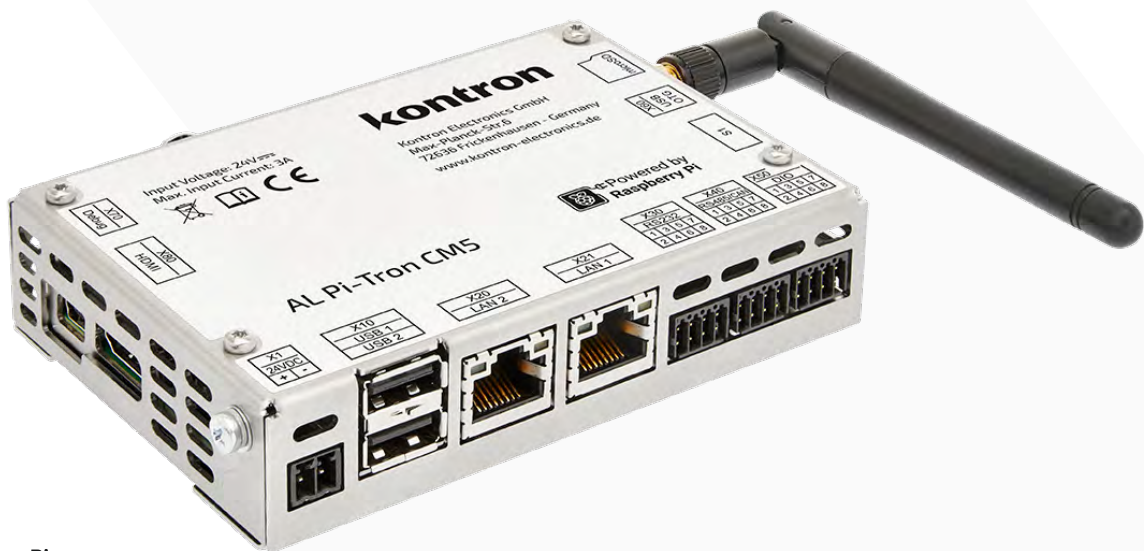


AL Pi-Tron CM5

Automation-Line



Compact Box PC for DIN rail mounting

- Compact Box-PC
- Raspbian Linux operating system
- Wide range of interfaces
- Robust chassis
- Flexible top-hat rail assembly

FUNCTION		STANDARD-EQUIPMENT CM5
MICROPROZESSOR	CPU	Broadcom BCM2712 4x Arm® Cortex®-A76 @2.4 GHz, 4Kp60 HEVC decoder, OpenGL ES 3.1 Grafik, Vulkan 1.3
MEMORY	LPDDR4-RAM SD CARD FRAM eMMC	2 GByte optional 4, 8, 16 GByte 1x microSD Card Slot for data 32 kByte 16 GByte, optional 32, 64 GByte
COMMUNICATION	ETHERNET USB SERIAL CAN DIO WLAN/BLE	1x 1 Gbit/s, 1x 10/100 Mbit/s 2x 2.0 Host, 1x 2.0 OTG: only for programming eMMC 1x RS232, 1x RS485 1x CAN 2.0B/FD 4x DIO (24 V/up to 800 mA) 2.4 GHz, 5.0 GHz IEEE 802.11 b/g/n/ac wireless BT 5.0, BLE
DISPLAY/TOUCH	LCD INTERFACE TOUCH	1x HDMI 2.0 (up to 4Kp60)
OTHER	POWER SUPPLY POWER CONSUMPTION FORM FACTOR TEMPERATURE RANGE PROTECTION CLASS APPROVAL	24 V DC ±20 % TBD 4,3 W (Demo) Aluminium housing 111 x 25 x 76 mm for mounting on 35 mm DIN rail acc. EN 60715 0°C ... +55°C IP20, CE
SOFTWARE	OPERATING SYSTEM RTC-BUFFERING DEBUG	Raspbian Linux (not preinstalled) CR2032 1x Console

Product Highlights

AL Pi-Tron CM5 is a compact and powerful industrial PC designed for DIN rail mounting. It is based on the BL Pi-Tron CM5 single-board computer with a Raspberry Pi Compute Module 5. Its robust aluminium housing is designed for 35 mm DIN rails, allowing for easy integration into existing systems. Its extensive interfaces, including Ethernet, USB, RS232, RS485, CAN FD, and optional WLAN and Bluetooth, ensure flexible connectivity.

Integrated FRAM memory ensures maximum data integrity and operational reliability, even in the event of a power failure. Its compact design saves space in control cabinets without compromising performance or functionality. AL Pi-Tron CM5 is the ideal platform for modern Industry 4.0 applications, including control, automation, and secure data storage.

Client Benefits

- › Small, compact design
- › Optional expansion via multifunctional I/O module
- › Attractive price level with strong performance
- › Large community providing software examples and fully translated program packages

Applications

- › Automation
- › Control Technology
- › IoT Gateways
- › Industrial Communication
- › Edge Computing
- › Mechanical Engineering
- › M2M (machine-to-machine) Gateway



About Kontron

Kontron AG is a leading IoT technology company. For more than 20 years, Kontron has been supporting companies from a wide range of industries to achieve their business goals with intelligent solutions. From automated industrial operations, smarter and safer transport to advanced communications, connectivity, medical, and energy solutions, the company delivers technologies that add value for its customers. With the acquisition of Katek SE in early 2024, Kontron significantly strengthens its portfolio with the new GreenTec division, focusing on solar energy and eMobility, and grows to around 8,000 employees in over 20 countries worldwide. Kontron is listed on the SDAX® and TecDAX® of the German Stock Exchange.

For more information, please visit: www.kontron.com

About Kontron Electronics

Kontron Electronics GmbH is a full-service provider in the electronics industry, offering comprehensive services in development, rapid prototyping, and manufacturing. The company's portfolio includes proprietary and customer-specific products, development and engineering services for complex electronic components, modules, and systems, as well as production and assembly services for complete assemblies. The company is part of the Kontron AG technology group.

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