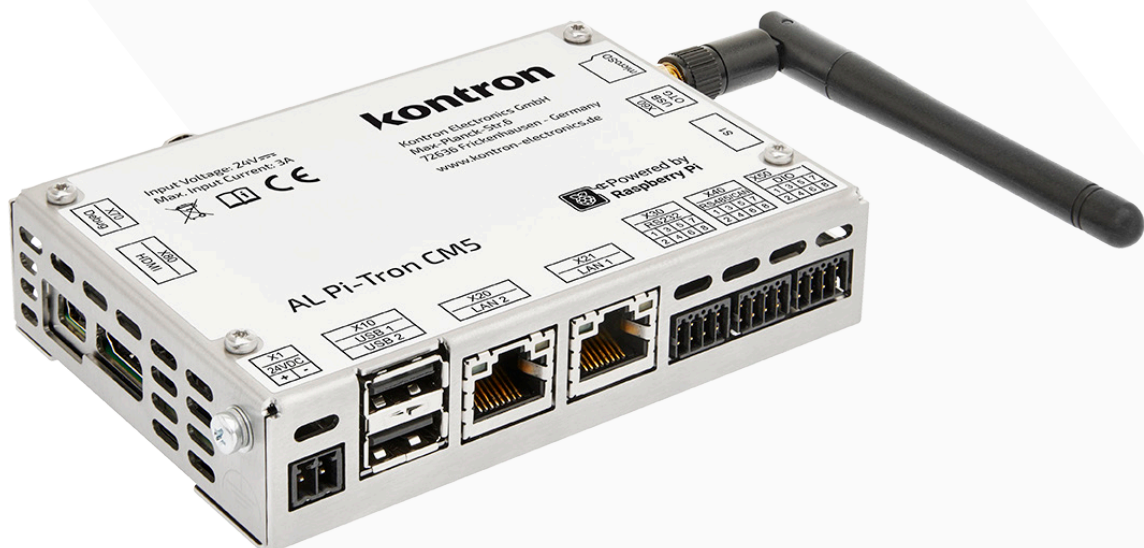


AL Pi-Tron CM5

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	2 GByte optional 4 GByte, 8 GByte (16GB) 16 GByte (64GB) 1x microSD Card Slot for data 32 kByte
COMMUNICATION	ETHERNET USB SERIAL CAN DIO WLAN/BLEETOOTH®	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 Stainless steel housing 111 x 25 x 76 mm for mounting on 35 mm DIN rail acc. EN 60715 TBD 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 stainless steel 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 field of electronics, development and manufacturing services. Our business 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.

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