

Econo 328

Control Technology

Edge Controller, IOT Controller

Rugged and industrial-grade, the Econo 328 is equipped with a Raspberry Pi Compute Module 4 and is passively cooled. It uses a 64-bit quad-core Cortex-A72 (ARM v8) SoC as a processor and offers flexible memory equipment.

Thanks to the integrated Mini UPS with Powerfail functions and the Linux RT extension, the device can be used in a variety of ways as an industrial gateway, automation controller or micro edge computer. The HDMI interface can be used to connect monitors to monitor or operate the process.

An expansion of the communication possibilities is possible through various optional expansion modules.



Properties

- Rugged hardware with powerful Quad Core ARM-A72
- 2 GB – 8 GB DDR4L RAM, 256 bytes EEPROM
- Industrial operating range with passive cooling (0 ... 40°C)
- Use of open source-based software
- Separate 1000 Mbit Ethernet interfaces
- Real-time capability for industrial and robotics applications



Specifications	Econo 328
Application:	Platform for IT/IOT, gateway and edge applications
Design	IOT Controller for the Control Cabinet, DIN Rail Mounting
Processor	Quad core ARM Cortex A72 (4 x 1.5 GHz) (Raspberry Pi CM4)
RAM / ROM	2 GB / 256 bytes EEPROM (customizable)
Drives	eMMC memory 8 GByte, µSD(HC) card slot up to 64 GByte
Graphic Interface	HDMI interface, resolution up to 3840 × 2160p @ 60 Hz (4K)
Operating system	Linux Yocto with RT Patch
Software Options	Drivers for USB extensions, SOFT PLC, API for hardware, Soft PLC
Network	2 x Ethernet (SW) 1 Gbit, 1 x Ethernet 1 Gbit, 2 x Ethernet (SW) 100 Mbit
Interfaces	2 x USB 3.0 / 1 x USB 2.0
Hardware	RTC with buffering, status LEDS, reset button
External dimensions (WxHx D)	45 x 125 x 90 mm (without plug and mounting plate)
Case	IP 20, stainless steel, aluminium heat sink, mounting on 35 mm DIN rail
Operating temperature	0 ... 40°C without power reduction, with fan up to +55 °C
Power supply	9,0 ... 28.8 V DC, Powerfail Functions, 1 s mini UPS,
Cyber Security, Compliance	In preparation
Certifications & Standards	CE/IEC 61131-2, IEC 61000-6-4, IEC 61000-6-2

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