

## Econo 328

## Control Technology

Product announcement Econo 328

### IOT Controller

The robust and industrial-grade 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 expansion options. The device can be used as an industrial gateway, automation controller or edge computer thanks to the integrated mini UPS with powerfail functions and RT expansion. The HDMI interface can be used to connect monitors for monitoring or operating the process. The communication options can be expanded using various optional expansion modules. The USB 3.0 interfaces enable the connection of removable storage media or external peripherals.



### Features

- Robust hardware with powerful Quad Core ARM-A72
- 2 GB - 8 GB DDR4L RAM, 256 Byte EEPROM
- Industrial operating range with passive cooling (0 ... 55°C)
- Use of open source software
- Separate 1000 Mbit Ethernet interfaces
- Real-time capability for industrial and robotics applications
- Optional expansion modules (Ethernet, PROFINET, ...)



Technical data	Econo 328
<b>Application:</b>	Platform for IT/IOT, gateway and edge applications
<b>Type of construction</b>	IOT controller for the control cabinet, DIN rail mounting
<b>Processor</b>	Quad core ARM Cortex A72 (4 x 1,5 GHz), Raspberry Pi CM 4
<b>RAM / ROM</b>	2 GB – 8 GB / 256 Byte EEPROM
<b>Drives</b>	eMMC memory 8 GByte, µSD(HC) card slot up to 64 GByte
<b>Graphic interface</b>	HDMI interface, resolution up to 3840 x 2160p @ 60 Hz (4K)
<b>Operating System</b>	Linux Yocto with RT Patch
<b>Software</b>	Drivers for USB extensions, SOFT PLC, API for hardware, Graphic, Soft PLC
<b>Network</b>	2 x Ethernet 1000 Mbit – RJ45 (switched), 1 x Ethernet 1000 Mbit (Version Econo 328 2 x Ethernet 100 Mbit – RJ45 (switched))
<b>Interfaces</b>	2x USB 3.02 / 1x USB 2.0
<b>Hardware</b>	RTC with buffering, status LEDs, reset button
<b>Outer dimension (W x H x D)</b>	45 x 125 x 90 mm (without plug and mounting plate)
<b>Housing</b>	IP 20, stainless steel, aluminium heat sink, mounting on 35 mm mounting rail
<b>Operating temperature</b>	0 ... 55°C
<b>Power supply</b>	9,0 ...28,8 V DC, electrically isolated, Powerfail functions, 1 s mini UPS

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