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 micro 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 3.1 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

Powered by Raspberry Pi

Technical data	Econo 328
Application:	Platform for IT/IOT, gateway and edge applications
Type of construction	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 Byte EEPROM
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	Drivers for USB extensions, SOFT PLC, API for hardware, Graphic
Network	2 x Ethernet 1000 Mbit – RJ45 (switched) 1 x Ethernet 1000 Mbit – RJ45 2 x Ethernet 100 Mbit – RJ45 (switched)
Interfaces	2x USB 3.1 / 1x USB 2.0
Hardware	RTC with buffering, status LEDs, reset button
Outer dimension (W x H x D)	45 x 125 x 110 mm (without plug and mounting plate)
Housing	IP 20, stainless steel, aluminium heat sink, mounting on 35 mm mounting rail
Operating temperature	0 … 55°C
Power supply	9,0 …28,8 V DC, Powerfail functions, 1 s mini UPS