

## Econo 228 / 328 APP

## Control Technology

### Econo 228 / 328 APP IOT Controller

The robust and industrial-grade Econo 228 / 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 the processor and offers flexible memory expansion options.

The device can be used in a variety of ways as an industrial gateway, automation controller or micro edge computer. To do this, the device can be easily expanded with automation apps from the FLECS Marketplace.

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)
- Prepared for automation apps from the FLECS Marketplace
- Separate 1000 Mbit Ethernet interfaces
- Real-time capability for industrial and robotics applications



Specifications	Econo 228 / 328 APP
<b>Application:</b>	Platform for IT/IOT, gateway and micro edge applications
<b>Design</b>	IOT Controller for the Control Cabinet, DIN Rail Mounting
<b>Processor</b>	Quad core ARM Cortex A72 (4 x 1.5 GHz)
<b>RAM / Remanent Memory</b>	2 GB – 8 GB / 256 bytes EEPROM
<b>Drives</b>	eMMC memory 8 GByte, µSD(HC) card slot up to 32 GByte
<b>Graphic Interface</b>	HDMI interface, resolution up to 3840 × 2160p @ 60 Hz (4K)
<b>Operating system</b>	Linux Yocto with RT Patch
<b>Software Options</b>	Drivers for USB extensions, API for hardware, Soft PLC Prepared for automation apps from the FLECS Marketplace
<b>Network</b>	2 x Ethernet 1000 Mbit – RJ45 (switched), 1 x Ethernet 1000 Mbit (Econo 328 version: additional 2 x Ethernet 100 Mbit – RJ45 (switched))
<b>Interfaces</b>	2x USB3.0 / 1x USB2.0
<b>Hardware</b>	RTC with buffering, status LEDS, reset button
<b>External dimensions (W x H x D)</b>	45 x 125 x 90 mm (without plug and mounting plate)
<b>Case</b>	IP 20, stainless steel, aluminium heat sink, mounting on 35 mm DIN rail
<b>Operating temperature</b>	0°C... +40°C without power reduction, with fan up to +55°C
<b>Power supply</b>	24 V DC / (10.8 ... 28.8), potential-isolated, 1 s mini UPS

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