

## 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 CM 4 and is passively cooled. The modular principle enables an application-specific memory version if required. The device is versatile and can be used as an industrial gateway, automation controller or micro edge computer. The device can be easily expanded with automation apps from the FLECS Marketplace. 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 standard removable storage media or external peripherals.



#### Features

- Robust hardware with powerful Quad Core ARM-A72
- 2 GB - 8 GB DDR4L RAM / 128 kB / 256 Byte EEPROM
- Industrial operating range with passive cooling (0 ... 55°C)
- Prepared for automation apps from the FLECS Marketplace
- Separate 1000 Mbit Ethernet interfaces
- Real-time capability for industrial and robotics applications
- Optional expansion modules (Ethernet, PROFINET, ...)



Technische Daten	Econo 228 /328 APP
<b>Application:</b>	Platform for IT/IOT, gateway and micro 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 / Remanent memory</b>	2 GB – 8 GB / 128 kB / 256 Byte 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 x 2160p @ 60 Hz (4K)
<b>Operating System</b>	Linux Yocto with RT Patch
<b>Software</b>	Drivers for USB extensions, API for hardware, Graphic, 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 (Version Econo 328 plus 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>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>	24 V DC / (9.2 ... 28.8), 1 s mini UPS

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