

FIO Controller 328

Control Technology

Product Announcement FIO Controller 328

Modular CODESYS control

The robust, industrial-grade and passively cooled Controller is equipped with a Raspberry Pi CM 4. The processor is a quad-core Cortex-A72 (ARM v8) 64-bit SoC with flexible memory expansion. The generous memory configuration, including an area for retentive data and a mini UPS, is ideally suited for CODESYS PLC applications. The USB 3.0 interfaces allow the use of removable storage media or external peripherals.

OPC UA is available as an IOT protocol for data exchange with other systems. The FIO Controller can be flexibly expanded with EtherCAT I/O modules from the Kuhnke FIO series via the E-bus connection on the side. Further decentralised EtherCAT devices are connected directly via the EtherCAT OUT connection on the FIO Controller 328.



Powered by
Raspberry Pi



EtherCAT

Eigenschaften

- Powerful CODESYS PLC (motion and robotics...)
- Robust hardware with powerful Quad Core ARM-A72
- HDMI screen interface
- Direct expansion with FIO I/O modules via E-bus (EtherCAT)
- EtherCAT OUT (RJ 45) for decentralised EtherCAT devices
- CANopen, RS-485,
- System aspects Safety, Motion, Visu,

Technical data	FIO Controller 328
Design	Modular CODESYS control for the control cabinet
Processor	Raspberry Pi Compute Module 4 (Quad -core ARM Cortex A72 (1,5 GHz))
RAM / Remanent memory	2GB DDR4L / 128 kB / 256 Byte EEPROM
Drives	eMMC memory 8 GByte, µSD(HC) card slot up to 32 GByte
Graphic interface	HDMI interface, 3840 x 2160p @ 60 Hz (4K)
Software options	WebVisu, SoftMotion (CNC-Robotics)
Interfaces	2x USB 3.2 / 1x USB2.0, 1x E-Bus Connection, EtherCAT out
Interface Extension	LAN, CANopen, RS-485
Networks	2 x Ethernet 1000 Mbit – RJ45 (SW)
Fieldbus support	EtherCAT Master, Modbus TCP Master, Modbus RTU Master, CANopen Master, optional PROFINET Slave
Data exchange	OPC UA
Outer dimension (W x H x D)	45 x 125 x 90 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	24 V DC / (19.2 ... 28.8), electrically isolated, 1 s mini UPS

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