

Kuhnke FIO Controller 116 Ethernet

Control Technology

Modular Controller with Ethernet extension

The Kuhnke FIO Controller 116 LAN is a modular ARM-based PLC with integrated CODESYS V3 controller. An SD card slot and a USB interface enable local storage of process data and program transfer.

Via the lateral E-Bus connector, the FIO Controller 116 LAN is modularly expandable with EtherCAT I/O modules of the Kuhnke FIO Line. When using an extender module, control of external EtherCAT slaves is supported.

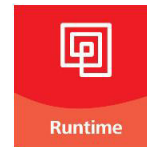
The FIO Controller 116 LAN supports Industrial Ethernet, RS232 and CAN. A left-side Ethernet expansion provides a second Ethernet port and facilitates integration into existing control architectures.

The integrated OPC UA interface enables standardised data exchange with higher-level systems.



Features

- Easy integration in Ethernet based systems
- To be extended with FIO modules
- CODESYS V3 with EtherCAT®
- Optional: CODESYS SoftMotion
- OPC UA interface



Technical Data	Kuhnke FIO Controller 116 LAN
Processor	i.MX6 SoloX Freescale 1 GHz
RAM / nonvolatile memory	256 MB / 128 kB storage in Flash
Drive	256 MB internal Flash memory, SD(HC)-card slot
Software	Application: CODESYS V3 Soft SPS optional with SoftMotion WebVisu and SoftMotion CNC + Robotics on request
Interfaces	1 x RS232, 1 x USB 2.0, 1 x CAN (galvanically isolated), 1 x E-Bus
Network	3 x Ethernet 10/100 Mbit – RJ45, OPC UA (Server), Visu,...
Field bus interface	CANopen® Manager Modbus TCP Client (via Ethernet) und Modbus RTU Client (via RS232) EtherCAT® E-Bus-Interface, extern via Extender module Additional field busses via Ethernet on demand possible
Integrated I/Os	1 x DI 1ms
Housing (W x H x D)	Aluminum, plastic housing 42 x 120 x 90 mm
Mounting	35 mm DIN Rail
Supply voltage	24 V DC / (19.2 ... 28.8), Power consumption approx. 3.5 W (@ 24 V DC)
Operating temperature	0°C...+55°C
Cyber Security, CRA	In Progress
Approvals / Standards	CE (Industry), cULus, IEC 61131-2, IEC 61000-6-4, IEC 61000-6-2



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