

Kuhnke FIO Controller 116 Mini IPC Controller

The Kuhnke FIO Controller 116 is a mini-IPC basing on ARM with integrated CODESYS PLC. It is able to exchange data with other systems via industrial Ethernet and RS232. In addition, a built-in SD-card slot and a USB-interface allow local storage of process data. As far as mechanic properties and form factor are concerned, the controller matches the FIO I/O modules, which can be attached directly to form a mechanically and electrically homogenous unit. It can be easily integrated by the number of interfaces (Industrial Ethernet, RS232, CAN) and supported systems into existing control concepts. By using an additional extender module, the control of remote EtherCAT slaves is possible, too.



Features

- Fanless ARM processor technology
- To be extended with FIO modules
- CODESYS V3 with EtherCAT®
- Optional: CODESYS SoftMotion

Technical data	
Type	Kuhnke FIO Controller 116
Processor	i.MX6 SoloX Freescale 1 GHz
RAM / non volatile memory	256 MB / Storage in Flash
Drive	256 MB internal Flash memory, SD(HC)-card slot
Operating software / software	Application: CODESYS V3 Soft SPS optional with SoftMotion WebVisu, TargetVisu and SoftMotion CNC + Robotics on request
Interfaces	1 x RS232, 1 x USB 2.0
Network	1 x Ethernet 10/100 Mbit – RJ45
Field bus interface	1 x CAN galvanically isolated EtherCAT E-Bus-Interface, extern via Extender module
Housing (W x H x D)	Aluminium, plastic housing 25 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

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