MODULAR PLC

Kuhnke FIO Controller 116 EtherCAT Slave WV (OPC UA)

694 323 16 001

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), supported fieldbuses and attachable communication modules into existing control concepts. Furthermore, the Controller can exchange data with existing ETherCAT masters via the left side appendix as an EtherCAT slave. The Controller 116 always supports Modbus TCP and RTU master functionality. By using an additional extender module, the control of remote EtherCAT slaves is possible, too. Offering the OPC UA interface the Controller is the perfect device for industry 4.0 communication.

- Easy integration in EtherCAT® systems
- To be extended with FIO modules
- CODESYS V3 with EtherCAT®
- OPC UA interface

DESCRIPTION	VALUE
Configuration	CODESYS PLC
Function	Modular PLC
Model	Control cabinet modul
Product status	Standard product
Processor	i.MX6 SoloX Freescale 1 GHz
Operating system	RT Linux
Software	CODESYS V3
Software options	Softmotion light, Modbus TCP, OPC UA Server, WebVisu
Main memory	256
Non-volatile memory	128 kByte
Data memory	SD card
Drive	Flash memory
Interfaces	LAN, USB, CAN, RS-232, EtherCAT-E-Bus, OPC UA, EtherCAT-Slave IN/OUT
Digital I/Os (integrated)	inputs: 1DI, 1 ms
Field bus interfaces	EtherCAT, CANopen, Modbus RTU and TCP, EtherCAT-Slave
Modular expansion	Expandable with FIO I/O modules
Housing material	Aluminium frame, plastic housing
Dimensions (W x H x D)	42 x 120 x 90 mm
IP-Protection Class	IP20
Supply voltage	24 V DC (-15% ... +20%)

CONTACT	
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PRODUCT

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