Kuhnke FIO Controller 113

Mini IPC Controller

The Kuhnke FIO Controller 113 is a high level language programmable controller basing on ARM. 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. An interrupt input allows realizing fastest possible reactions on specific process events. 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 and supported systems into existing control concepts. Using an additional extender module also the control of remote EtherCAT slaves is possible.

Features

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

Technical data	
Type	**Kuhnke FIO Controller 113**
Processor	i.MX28 Freescale 454 MHz
RAM / non volatile memory	128 MB / Storage in Flash
Drive	Internal Flash memory, SD(HC)-card slot
Operating software / software	Operation system: Windows® Embedded CE 6.0 Application: CODESYS V3 Soft SPS, Visualization
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
Integrated I/Os	1 x DI interrupt supported
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	ca. 3 W (@ 24 V DC)
Operating temperature	0 °C...+55 °C

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