

Kuhnke Vico

Control Technology

Kuhnke Vico 04 HMI HMI with 4.3", 7" and 10.4"

The new Kuhnke Vico 04 series is a powerful industry-standard display device and enables modern operating concepts. The installed software package CODESYS HMI makes it possible to visualize data from one or several CODESYS controllers on a remote Kuhnke Vico 04.

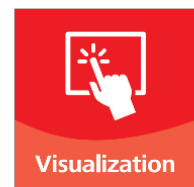
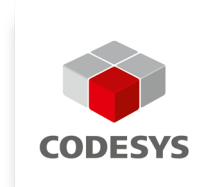
The visualization is developed either independently or together with the PLC application in the free CODESYS Development System.

The Vico 04 series is based on a powerful ARM Cortex-A8 processor combined with a resistive touch display. All components are robust and long-term available.



Features

- widescreen display with LED backlight
- ARM Cortex-A8 processor technology with graphics acceleration
- Industrial construction
- Visualisation with CODESYS Development System



Technische Daten	Kuhnke Vico 404 HMI	Kuhnke Vico 704 HMI	Kuhnke Vico 1004 HMI
Touch screen	4-Draht Analog resistive		
Display size / Resolution	4,3" / 480 x 272 (PSP)	7" / 800 x 480 (WVGA)	10,1" / 1024x600, (WSVGA)
Dimensions (W x H x D)	147 x 107 x 34 mm	187 x 147 x 34 mm	282 x 197 x 35 mm
Processor	ARM Cortex-A8 - 1 GHz		
Software	CODESYS V3 HMI		
RAM	512 MB		
Drives	4 GB Flash memory		
Interfaces	1 x Ethernet 10/100Mbit, 1 x RS-232, 1 x USB 2.0 host, max 500 mA		
Protection level	Front: IP 66 / NEMA 4x ;rear: IP 20		
Front panel	IP 66, plastic body with black, seamless film cover protection against dust, dirt and splash water		
Operation temperature	0 °C...+50 °C		
Power supply	24 VDC / (10 ... 32)		
Approvals	CE industrial environments, CE residential environments, cULus		

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Scout

Control Technology

Scout 706

PLC with 7" touch panel

With an EtherCAT master and two additional CANopen interfaces the new CODESYS control Scout from Kendrion can be used as an HMI and control unit.

The simple CODESYS V3 programming ensures an efficient engineering. Furthermore, Scout has optionally 4 digital inputs and outputs. The embedded system is based on a scalable single or multicore i.MX6 processor technology combined with a 7" to 15.6" TFT touch display.

All components are robust and long-term available.

Whether standard or customized the all in one solution is the better alternative in many devices and compact machines.



Features

- Fanless i.MX6 processor technology
- Industry standard interfaces
- Front with seamless film cover
- CODESYS V3, real-time clock



Technical data	Scout 706
Display size / Resolution	7" / 800 × 480 (WVGA)
Dimensions (W x H x D)	194 x 151 x 59 mm (Version ET 194 x 172 x 59 mm)
Touch screen	4-wire analogue resistive
Processor	CPU Freescale i.MX6 Solo, 1 GHz
Operating system / Software	Operating system: RT Linux Application: CODESYS Soft PLC with TargetVisu, optional WebVisu
RAM / Non-volatile memory	512 MB RAM, 128 kB non-volatile memory
Drives	Flash disc 256 MB, SD-card slot
Interfaces	2 x Ethernet 10/100Mbit, 1 x RS-232, 1 x RS-485 galvanically isolated 2 x USB 2.0 host, 1 x CAN, 1 x CAN galvanically isolated
Field bus interface	2 x CANopen, Modbus RTU/TCP, EtherCAT® over Ethernet, OPC UA
Integrated I/Os (Option)	4 DI: Delay: 1 ms 4 DO: Load: 0.1 A / Highside-semiconductor
Front panel	IP 65, aluminum with seamless film cover RAL 7035, protection against dust, dirt and splash water
Power supply	24 V DC / (19.2 ... 28.8)
Approvals	CE industrial environments

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Kuhnke Vico

Control Technology

Kuhnke Vico 04 PLC

HMI with control function

The new Kuhnke Vico 04 series is a powerful industry-standard display device and enables modern operating concepts.

The installed software package CODESYS PLC allows to use control functions in addition to the visualization.

The development of the visualization is done together with the PLC application in the free CODESYS Development System.

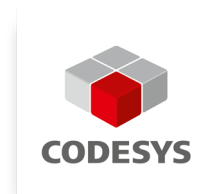
The Vico 04 series is based on a powerful ARM Cortex-A8 processor combined with a resistive touch display.

All components are robust and long-term available.



Features

- widescreen display with LED backlight
- ARM Cortex-A8 processor technology with graphics acceleration
- Industrial construction
- Visualisation and Control with CODESYS V3
- Programming via WLAN prepared



Technische Daten	Kuhnke Vico 404 PLC	Kuhnke Vico 704 PLC	Kuhnke Vico 1004 PLC
Touch screen	4-wire analogue resistive		
Display size / Resolution	4,3" / 480 x 272 (PSP)	7" / 800 x 480 (WVGA)	10,1" / 1024x600, (WSVGA)
Dimensions (W x H x D)	147 x 107 x 34 mm	187 x 147 x 34 mm	282 x 197 x 35 mm
Processor	ARM Cortex-A8 - 1 GHz		
Software	CODESYS V3 Runtime mit TargetVisu, (WebVisu optional)		
RAM	512 MB		
Drives	4 GB Flash memory		
Interfaces	1 x Ethernet 10/100Mbit, 1 x RS-232, 1 x USB 2.0 host, max 500 mA WLAN option		
Fieldbus	Modbus RTU, Modbus TCP/EtherCAT®, (OPC UA option) via Ethernet		
Protection level	Front: IP 66 / NEMA 4x ;rear: IP 20		
Front panel	IP 66, plastic body with black, seamless film cover protection against dust, dirt and splash water		
Operation temperature	0 °C...+50 °C		
Power supply	24 VDC / (10 ... 32)		
Approvals	CE industrial environments, CE residential environments, cULus		

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Scout

Control Technology

Scout 706

PLC with 7" touch panel

With an EtherCAT master and two additional CANopen interfaces the new CODESYS control Scout from Kendrion can be used as an HMI and control unit.

The simple CODESYS V3 programming ensures an efficient engineering. Furthermore, Scout has optionally 4 digital inputs and outputs. The embedded system is based on a scalable single or multicore i.MX6 processor technology combined with a 7" to 15.6" TFT touch display.

All components are robust and long-term available.

Whether standard or customized the all in one solution is the better alternative in many devices and compact machines.



Features

- Fanless i.MX6 processor technology
- Industry standard interfaces
- Front with seamless film cover
- CODESYS V3, real-time clock



Technical data	Scout 706
Display size / Resolution	7" / 800 × 480 (WVGA)
Dimensions (W x H x D)	194 x 151 x 59 mm (Version ET 194 x 172 x 59 mm)
Touch screen	4-wire analogue resistive
Processor	CPU Freescale i.MX6 Solo, 1 GHz
Operating system / Software	Operating system: RT Linux Application: CODESYS Soft PLC with TargetVisu, optional WebVisu
RAM / Non-volatile memory	512 MB RAM, 128 kB non-volatile memory
Drives	Flash disc 256 MB, SD-card slot
Interfaces	2 x Ethernet 10/100Mbit, 1 x RS-232, 1 x RS-485 galvanically isolated 2 x USB 2.0 host, 1 x CAN, 1 x CAN galvanically isolated
Field bus interface	2 x CANopen, Modbus RTU/TCP, EtherCAT® over Ethernet, OPC UA
Integrated I/Os (Option)	4 DI: Delay: 1 ms 4 DO: Load: 0.1 A / Highside-semiconductor
Front panel	IP 65, aluminum with seamless film cover RAL 7035, protection against dust, dirt and splash water
Power supply	24 V DC / (19.2 ... 28.8)
Approvals	CE industrial environments

Kuhnke Scout Multitouch

Control Technology

Kuhnke Scout MT 1006

10.1" Panel PLC with multitouch

The new Kuhnke Scout Multitouch range combines a modern control concept with a CODESYS V3 control platform in industrial design. The unit supports smartphone typical functions such as paging, scrolling, turning of objects, flicks etc. allowing new control concepts for industrial applications.

The high-quality front of the device offers edgeless design combining hardened glass with an aluminum frame. It is scratch proof and easy to clean.

With one EtherCAT® master and two additional CANopen interfaces, the Kuhnke Scout MT 706 Panel PLC from Kendrion offers modern field bus interfaces which can be expanded according to individual requirements with additional miniPCIe boards. The fully functional system is based on a scalable single core or multicore i.MX6 processor technology.

All components are highly robust and will be available over a long period of time.

Features

- High-quality PCAP multitouch glass front in industrial design
- Fanless i.MX6 processor technology
- CODESYS V3 controller
- Real-time clock



Technical data	Kuhnke Scout MT 1006
Display size / Resolution	10.1" / 1280 x 800 (wide XGA)
Touch screen	PCAP (multitouch)
Dimensions (W x H x D)	275 x 192 x 53 mm
Processor	CPU Freescale i.MX6X Solo, 800 MHz
Software options	Operating system: Windows® Embedded Compact 2013 Application: CODESYS Soft PLC with TargetVisu, optional WebVisu
RAM / Non-volatile memory	512 MB RAM / 128 kB Remanenter Speicher
Drives	256 MB Flash Speicher, SD-Card Slot
Interfaces	2 x Ethernet 1Gbit, 1 x RS-232, 1 x RS-485 galvanically isolated, 1 x CAN, 1 x CAN galvanically isolated, 2 x USB 2.0 host
Field bus interfaces	1 x CANopen, 1 x CANopen galvanically isolated, Modbus RTU/TCP, EtherCAT® via Ethernet interface, OPC UA
Integrated I/Os	4 DI: Delay: 1 ms (Interrupt) 4 DO: Load: 0.1 A / Highside-semiconductor
Front panel	2.8 mm thick, chemically hardened cover glass with aluminum surround. Protection class IP 65. Seamless sealing against dust, dirt and splash water
Power supply	24 V DC / (19,2 ... 28,8)

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Scout

Control Technology

Scout 1206

PLC with 12,1" touch panel

With an EtherCAT master and two additional CANopen interfaces the new CODESYS control Scout from Kendrion can be used as a HMI and control unit.

The simple CODESYS V3 programming ensures an efficient engineering. Furthermore, Scout has optionally 4 digital inputs and outputs. The embedded system is based on a scalable single or multicore i.MX6 processor technology combined with a 7" to 15.6" TFT touch display.

All components are robust and long-term available.

Whether standard or customized the all in one solution is the better alternative in many devices and compact machines.



Features

- Fanless i.MX6 processor technology
- Industry standard interfaces
- Front with seamless film cover
- CODESYS V3, real-time clock



Technical data	Scout 706
Display size / Resolution	12,1" / 800 × 600 (SVGA)
Dimensions (W x H x D)	320 x 265 x 56 mm
Touch screen	4-wire analogue resistive
Processor	CPU Freescale i.MX6 Solo, 1 GHz
Operating system / Software	Operating system: RT Linux Application: CODESYS Soft PLC with TargetVisu, optional WebVisu
RAM / Non-volatile memory	512 MB RAM, 128 kB non-volatile memory
Drives	Flash disc 256 MB, SD-card slot
Interfaces	2 x Ethernet 10/100Mbit, 1 x RS-232, 1 x RS-485 galvanically isolated 2 x USB 2.0 host, 1 x CAN, 1 x CAN galvanically isolated
Field bus interface	2 x CANopen, Modbus RTU/TCP, EtherCAT® over Ethernet, OPC UA
Integrated I/Os (Option)	4 DI: Delay: 1 ms (Interrupt) 4 DO: Load: 0.1 A / Highside-semiconductor
Front panel	IP 65, aluminum with seamless film cover RAL 7035, protection against dust, dirt and splash water
Power supply	24 V DC / (19.2 ... 28.8)
Approvals	CE industrial environments

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Kuhnke Vico

Control Technology

Kuhnke Vico 04 WEB

Web terminal with 4.3", 7" and 10.4"

The new Kuhnke Vico 04 series is a powerful industry-standard display device and enables modern operating concepts. The installed software package includes the web browser Chromium and makes it possible to visualize data from one or more controllers with web server on a remote Kuhnke Vico 04. The visualization shows web pages based on HTML5 and JavaScript.

The Vico 04 series is based on a powerful ARM Cortex-A8 processor combined with a resistive touch display. All components are robust and long-term available.



Features

- widescreen display with LED backlight
- ARM Cortex-A8 processor technology with graphics acceleration
- Industrial construction
- Open source internet browser Chromium

Technische Daten	Kuhnke Vico 404 Web	Kuhnke Vico 704 Web	Kuhnke Vico 1004 Web
Touch screen	4-Draht Analog resistive		
Display size / Resolution	4,3" / 480 x 272 (PSP)	7" / 800 x 480 (WVGA)	10,1" / 1024x600, (WSVGA)
Dimensions (W x H x D)	147 x 107 x 34 mm	187 x 147 x 34 mm	282 x 197 x 35 mm
Processor	ARM Cortex-A8 - 1 GHz		
Software	Chromium (open source internet browser)		
RAM	512 MB		
Drives	4 GB Flash memory		
Interfaces	1 x Ethernet 10/100Mbit, 1 x RS-232, 1 x USB 2.0 host, max 500 mA		
Protection level	Front: IP 66 / NEMA 4x ;rear: IP 20		
Front panel	IP 66, plastic body with black, seamless film cover protection against dust, dirt and splash water		
Operation temperature	0 °C...+50 °C		
Power supply	24 VDC / (10 ... 32)		
Approvals	CE industrial environments, CE residential environments, cULus		

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