



CP SERIES CONTROL PANEL MODERN MULTI-TOUCH PANEL IN HIGH-QUALITY DESIGN

INNOVATIVE CP-X CONTROL PANEL WITH SCALABLE PERFORMANCE

This innovative control panel series combines multi-touch technology with high-quality design, scalable performance and long-term availability. It is a further refinement and extension of the modular exceet embedded platform.

To permit a flexible selection of performance levels we provide both ARM and x86 processors, each with up to 4 cores and with either Windows embedded or Linux embedded. In addition, the package features a large variety of interfaces and a wide range of memory options.

The performance scope also includes modern, high-performing CODESYS Soft SPS development tools for rapid and efficient realization of sophisticated automation and visualization solutions.

The panels were developed as a modular system with guaranteed long-term availability (> 10 years) and can be readily customized to your specific requirements.



FEATURES

- capacitive multi-touch
- stainless steel or aluminum front
- various sizes from 7"
- scalable computing performance and interfaces
- expansion connectors for custom functions
- CODESYS Soft SPS
- Windows or Linux

CUSTOMER BENEFITS

- high-quality design
- compact construction, shallow installation depth
- high-performance panel for a wide range of applications
- flexible configuration
- long-term availability
- readily customizable
- higher productivity with the state-of-the-art CODESYS software tools

APPLICATIONS

- operating panel
- device control
- machine control
- building automation
- embedded control panel
- low-cost all-round control system in combination with our remote I/O solutions



TECHNICAL DATA

Housing & Display	CP-70	CP-101	CP-121	CP-156
HUMAN-MACHINE INTERFACE				
Display, brightness	7", 1024x600, 400cd/m ²	10.1", 1280x800, 420cd/m ²	Launch Q3/2018	15.6", 1388x768, 400cd/m ²
Type, reading angle	IPS, 85°/85°/85°/85°	TFT, 85°/85°/85°/85°		TFT, 85°/80°/85°/85°
Touch	PCAP, Multitouch			
MECHANICS / ENVIRONMENT / OPTIONS				
Dimensions BxHxT mm	200.1 x 131.9 x 47.4	264.5 x 187 x 40.9		404.5 x 253.5 x 59.4
Installation depth (ARM) mm	42.4	35.4		51.9
Protection class	Front IP65			
Operating temperature	0..+55°C, [extended temperature range]			
Options	stainless-steel front, customer-specific OEM versions, open-frame			

Computer HW	CP-xxx with ARM i.MX6	CP-xxx with Intel Atom E3800
FUNCTIONS	STANDARD [OPTIONS]	
MICROPROCESSOR		
CPU	NXP ARM i.MX6 1-2 Cores	Intel Atom E3800 1-4 Cores
Clock	800 MHz (1-2 Cores)	1.46 GHz (1 Core) - 1.91 GHz (4 Core)
MEMORY		
eMMC	[up to 64 GB]	16 GB [up to 64 GB]
DRAM DDR3L	1 GB [up to 2 GB]	1 Slot with 2GB [1 GB up to 8 GB]
NAND/NOR-Flash	512 MB [256 MB] / 1 MB [up to 16 MB]	- / 64 MB (BIOS)
SRAM/FRAM	128 kB [8 kB up to 128 kB] / [up to 512kB]	[128 kB] / [up to 512 kB]
SD-Card	microSD (max. 32GB SDHC)	
COMMUNICATION / INTERFACES		
USB	2x USB 2.0 Host	3x USB 2.0 Host, 1x USB 3.0 Host
Ethernet	2x 10/100 Mbit	2x 10/100/1000 MBit
CAN	1x CAN	1x CAN or RS485
COM	2x RS232, 1x RS485	1x RS232
mSATA	-	1x mini-SATA II (3 Gb/s)
HDMI	[mini HDMI Typ C]	[mini HDMI Typ C]
Expansion plugs (internal)	GPIO, HDMI, SPI, I ² C	GPIO, I ² C
OTHERS		
RTC	battery-buffered	
Power supply	24 VDC ±20%	
SOFTWARE		
Operating System	Embedded Linux	Embedded Linux, Windows 10 [WES8]
Soft-PLC (Option)	CODESYS V3	
Protocols (Option)	EtherCAT, Modbus TCP, Profinet, Ethernet IP, BACnet, OPC DA/UA, CANopen, Modbus, J1939	



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