

CP SERIES CONTROL PANEL

Modern multi-touch Panel in high-quality Design



Innovative CP-X Control Panel with scalable Performance

- ▶ Capacitive multi-touch
- ▶ Stainless steel or aluminum front
- ▶ Various sizes from 7"
- ▶ Scalable computing performance and interfaces
- ▶ CODESYS Soft-SPS

POSSIBILITIES START HERE



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This innovative control panel series combines multi-touch technology with high-quality design, scalable performance and long-term availability. 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.

▶ TECHNICAL DATA HOUSING & DISPLAY

	CP-70	CP-101	CP-121	CP-156
DISPLAY, BRIGHTNESS	7", 1024x600, 400cd/m ²	10.1", 1280x800, 420cd/m ²	Launch Q2/2019	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	PCAP, Multitouch	PCAP, Multitouch	PCAP, Multitouch
DIMENSIONS B x H x T 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	Front IP65	Front IP65	Front IP65
OPERATING TEMPERATURE	0 °C .. +55 °C, (extended temp. range)	0 °C .. +55 °C, (extended temp. range)	0 °C .. +55 °C, (extended temp. range)	0 °C .. +55 °C, (extended temp. range)
OPTIONS	stainless-steel front, customer-specific OEM versions, open-frame	stainless-steel front, customer-specific OEM versions, open-frame	stainless-steel front, customer-specific OEM versions, open-frame	stainless-steel front, customer-specific OEM versions, open-frame

▶ TECHNICAL DATA COMPUTER HW

		CP-XXX WITH ARM I.MX6	CP-XXX WITH INTEL ATOM® E3800
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 GByte)	16 GByte (up to 64 GByte)
	DRAM DDR3L	1 GByte (up to 2 GByte)	1 Slot with 2 GByte (1 GB up to 8 GByte)
	NAND/NOR-FLASH	512 MB (256 MB) / 1 MB (up to 16 MB)	- / 64 MByte (BIOS)
	SRAM/FRAM	128 kB (8 kB up to 128 kB) / (up to 512 kB)	(128 kB) / (up to 512 kB)
	SD-CARD	microSD (max. 32 GByte SDHC)	microSD (max. 32 GByte 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 oder 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	battery-buffered
	POWER SUPPLY	24 VDC ±20 %	24 VDC ±20 %
SOFTWARE	OPERATING SYSTEM	Embedded Linux	Embedded Linux, Windows 10 (WES8)
	SOFT-SPS (OPTION)	CODESYS V3	CODESYS V3
	PROTOCOLS (OPTION)	EtherCAT, Modbus TCP, Profinet, Ethernet IP, BACnet, OPC DA/UA, CANopen, Modbus, J1939	EtherCAT, Modbus TCP, Profinet, Ethernet IP, BACnet, OPC DA/UA, CANopen, Modbus, J1939

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