CP CONTROL PANEL

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15.6"/39 cm

10.1"/25.8 cm

7"/17 cm

Innovative Control Panel with Scalable Performance

▶ Capacitive multi-touch
▶ Display sizes: 7", 10.1" and 15.6"
▶ IP65 aluminium front bezel, optional stainless steel
▶ Stainless steel housing
▶ CODESYS Soft-PLC

CP CONTROL PANEL
Multi-Touch Panels with Soft-PLC CODESYS

This modern Control Panel series combines high-quality design with brilliant multi-touch technology displays and scalable performance. The Control Panels feature a robust glass touchscreen set within a stylish aluminium frame. Standard versions are considered for panel mount and offer IP65 protection at the front. The Control Panels can be delivered with the Soft-PLC CODESYS development tools for fast and efficient implementation of sophisticated automation and visualization solutions.

The Control Panel can be supplemented with Web Panels of the same design if several operator stations are required. For a flexible selection of performance levels Kontron provides single and dual core Arm® processors and offers multiple memory and storage options.
The systems have been designed as long-term available building blocks (> 10 years) and can also be customized and expanded for individual requirements.

▶ TECHNICAL INFORMATION

DISPLAY		See table below
TOUCH	TECHNOLOGY	PCAP, glossy glass surface
PROCESSOR	CPU	NXP Arm® i.MX6 1-2 Cores, 800 MHz
MEMORY/STORAGE	DRAM DDR3L eMMC NAND/NOR-FLASH SRAM/FRAM SD-CARD	1 GByte, soldered (up to 2 GByte) (4 to 16 GByte) 512 MByte (256 MByte) / 1 MByte (up to 16 MByte) 128 kByte (up to 512 kByte)/ (up to 512 kByte) microSD, exchangeable (up to 32 GByte SDHC)
INTERFACES	USB ETHERNET CAN SERIAL PORTS EXPANSION PLUGS (INTERNAL)	2x USB 2.0 (Host) 2x Ethernet (10/100) independent 1x CAN (isol.) 2x RS232, 1x RS485 (isol.) GPIO, HDMI, SPI, i²C
MECHANICAL	CONSTRUCTION COOLING MOUNTING	Front IP65 in aluminium, backside IP20 in stainless steel Fanless Fixing elements for easy and quick cabinet mounting
ENVIRONMENT	CERTIFICATION POWER EMC OPERATING TEMPERATURE STORAGE TEMPERATURE HUMIDITY ALTITUDE	CE 24 VDC +-20 % EN 61000-6-2 (immunity), EN 61000-6-4 (emission) 0 °C … +55 °C -20 °C … +70 °C 10 %-90 % @ 39 °C, non-condensing Up to 6.500 ft (2000 m)
SOFTWARE	OPERATING SYSTEM SOFT-PLC (OPTION) PROTOCOLS (OPTION)	Embedded Linux (Yocto distribution) CODESYS V3 EtherCAT, Modbus TCP/RTU, Profinet, Ethernet IP, CANopen, OPC UA

▶ DISPLAY INFORMATION

DISPLAY SIZE	RESOLUTION	FORMAT	BRIGHTNESS	DIMENSIONS	VIEWING ANGLE	COLORS	WEIGHT	CONSUMPTION
CP-70: 7.0"	1024x600	17:10	450 cd/m²	200 x 132 x 48	85°/85°/85°/85°	16.7 million	~ 0.83 kg	5.5 VA
CP-101: 10.1"	1280x800	16:10	420 cd/m²	265 x 187 x 41	85°/85°/85°/85°	16.7 million	~ 1.3 kg	8.9 VA
CP-156: 15.6"	1366x768	16:9	400 cd/m²	405 x 254 x 60	85°/80°/85°/85°	16.7 million	~ 3.5 kg	16.8 VA