CP Control Panel 6x



Innovative Control Panel with multiple connectivity

- Capacitive multi-touch
- Display sizes: 7", 10.1" and 15.6"
- High performance thanks to powerful Quad Core CPU i.MX8M Plus
- Various interfaces for maximum flexibility
- CODESYS® SoftPLC

kontron
The Power of IoT

Product Highlights

CP Control Panel - Multitouch Panel with CODESYS® SoftPLC

This modern Control Panel series combines high-quality design with advanced computer architectures and multiple connectivity. The Control Panels feature a robust glass touchscreen set completely flush-mounted in 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 CODESYS® SoftPLC development tools for fast and efficient implementation of sophisticated automation and visualization solutions.
The various interfaces enable communication with a wide range of fieldbuses and cloud connections.
In addition, with its internal M.2 slot and expansion connectors, the Control Panel offers a wide range of adaptation options to meet a wide variety of requirements.
The systems have been designed as long-term available devices (> 10 years) and can also be customized and expanded for individual requirements.

Technical Information

DISPLAY		IPS, Optical bonded 7", 10.1", 15.6" FHD, more features see table below
TOUCH	TECHNOLOGY	PCAP, glossy glass surface
PROCESSOR	CPU	NXP Arm® i.MX8M Plus Quad Core, 1.6 GHz
MEMORY/STORAGE	DRAM LPDDR4 EMMC NOR FLASH FRAM SD-CARD	2 GByte, soldered (up to 4 GByte) 8 up to 32 GByte 2 MByte (up to 16 MByte) 128 kByte (up to 512 kByte) microSD-slot (up to SDXC-size)
INTERFACES	USB ETHERNET CAN SERIAL PORTS EXPANSION PLUGS (INTERNAL)	2x USB 2.0 (Host) 2x Ethernet (10/100/1000) independent, 1x TSN-capable 1x CAN-FD (isolated), optional: 2x CAN FD 1x RS485 (isolated), 1x RS232, optional: 2x RS485 optional: GPIO, HDMI, SPI, i²C, MIPI CSI 4-lane, audio, M.2 slot (Key E, B)
MORE FEATURES	SECURITY REAL-TIME CLOCK	TPM RTC with SuperCAP (>20 days)
MECHANICAL	CONSTRUCTION COOLING MOUNTING	Front IP65 in aluminium, backside IP20 in stainless steel/aluminium Fanless Fixing elements for easy and quick cabinet mounting
ENVIRONMENT	CERTIFICATION POWER EMC OPERATING TEMPERATURE STORAGE TEMPERATURE HUMIDITY ALTITUDE	CE, UL/cUL 24 VDC +/-20 % EN 61000-6-2 (immunity), EN 61000-6-4 (emission) 0 °C ... +55 °C (optional -20 °C ... +55 °C) -20 °C ... +70 °C 10 %-90 % @ 39 °C, non-condensing Up to 9.800 ft (3000 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 IIoT Libraries (MQTT, HTTPS; Azure, AWS, Google..)

Display Informationen

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	450 cd/m²	405 x 254 x 60	85°/85°/80°/80°	16.7 million	~ 3.5 kg	16.8 VA
CP-156FHD: 15.6"	1920x1080	16:9	1000 cd/m²	405 x 254 x 60	85°/85°/85°/85°	16.7 million	~ 3.5 kg	20 VA

About Kontron

Kontron AG is a leading IoT technology company. For more than 20 years, Kontron has been supporting companies from a wide range of industries to achieve their business goals with intelligent solutions. From automated industrial operations, smarter and safer transport to advanced communications, connectivity, medical, and energy solutions, the company delivers technologies that add value for its customers. With the acquisition of Katek SE in early 2024, Kontron significantly strengthens its portfolio with the new GreenTec division, focusing on solar energy and eMobility, and grows to around 6,500 employees in over 20 countries worldwide. Kontron is listed on the SDAX® and TecDAX® of the German Stock Exchange.

For more information, please visit: **www.kontron.com**

About Kontron Electronics

Kontron Electronics AG acts as a provider of automation solutions. The enterprise is at home in a variety of sectors, such as industrial machinery and device manufacturing, medical technology and building automation. Our portfolio includes proprietary and client-specific products, development and design services for complex electronics components, modules and systems, as well as production and assembly services for entire devices. The company is part of the technology corporation Kontron AG.

For more Information please visit: **www.kontron-electronics.com**

Your Contact

Kontron Electronics AG

Riedstrasse 1
CH-6343 Rotkreuz
Tel.: +41 41 799 47 99
info@kontron.ch

www.kontron-electronics.com

Global Headquarters

Kontron Europe GmbH

Gutenbergstraße 2
85737 Ismaning, Germany
Tel.: +49 821 4086-0
info@kontron.com

www.kontron.com

kontron
The Power of IoT

Copyright © 2023 Kontron. All rights reserved. All data is for information purposes only and not guaranteed for legal purposes. Information has been carefully checked and is believed to be accurate; however, no responsibility is assumed for inaccuracies. Kontron and the Kontron logo and all other trademarks or registered trademarks are the property of their respective owners and are recognized. Specifications are subject to change without notice. CP Control Panel 6x-20231011 - bmy