

WP Web Panel 4x, 6x



Innovative Web Panel with smart QIWI software toolkit with even more browser performance

- Display sizes: 5", 7", 10.1" and 15.6" versions, capacitive multi-touch
- Noble aluminum front Bezel
- Higher performance with modern Arm® Quad Core CPU
- Chromium based HTML-5 Browser or MicroBrowser
- QIWI software toolkit for better performance and easy configuration

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WP Web Panel - Multi-Touch Panels with HTML-5 Browser

This modern Web Panel series combines stylish design with brilliant multi-touch technology displays and scalable performance. The Web Panels feature a robust glass touch screen, completely flush mounted in a noble aluminum frame. Standard versions are designed for panel mount and offer IP65 protection from the front.

The Web Panels are delivered with the smart "QIWI" software toolkit with a performance-optimized HTML-5 Browser together with numerous sophisticated features for the specific needs of industrial users.

For a flexible choice of performance levels we offer Arm® based i.MX8M Mini or i.MX8M Plus Quad Core processors. The WP-6x family offers even significantly higher browsing performance than the WP-4x thanks to the i.MX8M Plus processor with improved GPU. In addition, the new WP-6x family features a PoE option as well as 5" and 15.6" Full HD display variants.

The panels have been designed for long-term availability (> 10 years) and can be customized and optimized to your individual requirements.

Technical Information

		WP 4x with Arm® i.MX8M Mini	WP 6x with Arm® i.MX8M Plus
TOUCH		PCAP multi-touch	PCAP multi-touch
PROCESSOR		Arm® i.MX8M Mini 4 Core 1.6 GHz	Arm® i.MX8M Plus 4 Core 1.6 GHz
MEMORY/STORAGE	RAM FLASH	1 GByte DDR4 (up to 2 GByte) 4 GByte eMMC (up to 32 GByte) microSD-slot (up to SDXC-format)	1 GByte DDR4 (up to 2 GByte) 4 GByte eMMC (up to 32 GByte) microSD-slot (up to SDXC-format)
INTERFACES		2x USB 2.0 (Host) 1x Ethernet (10/100/1000)	2x USB 2.0 (Host) 1x Ethernet (10/100/1000)
POWER SUPPLY		24 VDC ±20 %	24 VDC ±20 %
EMC		EN 61000-6-2 (immunity), EN 61000-6-4 (emission)	EN 61000-6-2 (immunity), EN 61000-6-4 (emission)
CERTIFICATIONS		CE, (UL/cUL planned)	CE, (UL/cUL planned)
MECHANICAL/ PROTECTION CLASS		Front IP65 in aluminum, backside IP20 in stainless steel/fixing elements for quick mounting (portrait or landscape)	Front IP65 in aluminum, backside IP20 in stainless steel/fixing elements for quick mounting (portrait or landscape)
ENVIRONMENT	OPERATING TEMPERATURE COOLING SHOCK	0 °C ... +55 °C (optional -20 °C ... +55 °C) Fanless Shock (EN 60068-2-27): 15G 11ms (half sine)	0 °C ... +55 °C (optional -20 °C ... +55 °C) Fanless Shock (EN 60068-2-27): 15G 11ms (half sine)
	VIBRATION	Vibration (EN 60068-2-6): 10-500Hz 1G/3 axis	Vibration (EN 60068-2-6): 10-500Hz 1G/3 axis
	HUMIDITY	10%-90%, non-condensing	10%-90%, non-condensing
SOFTWARE	OPERATING SOFTWARE BROWSER ADDITIONAL SOFTWARE	Embedded Linux (Yocto Distribution) Chromium based HTML-5 QIWI Toolkit, optimized browser with easy configuration and wide range of features	Embedded Linux (Yocto Distribution) Chromium based HTML-5 QIWI Toolkit, optimized browser with easy configuration and wide range of features
OPTIONS (FURTHER OPTIONS ON REQUEST)		2x Ethernet, 1x RS232, WIFI USB Dongle Anti-glare display Customer logo on display frame	PoE (Power over Ethernet) 2x GBit Ethernet, 1x RS485, 2x GPO WIFI USB Dongle Anti-glare display Customer logo on display frame

Display Information

DISPLAY SIZE	RESOLUTION	TYPE	FORMAT	BRIGHTNESS	VIEWING ANGLE	COLORS	DIMENSIONS
5.0" ¹⁾	800x480	Opt. bond	15:9	450 cd/m ²	80°/80°/80°/80°	16.7 million	139 x 98 x 30
7.0"	1024x600	Opt. bond	17:10	450 cd/m ²	85°/85°/85°/85°	16.7 million	200 x 132 x 48
10.1"	1280x800	Opt. bond	16:10	430 cd/m ²	80°/80°/80°/80°	16.7 million	265 x 187 x 41
15.6"	1366x768	Air-gap	16:9	400 cd/m ²	85°/80°/85°/85°	16.7 million	405 x 254 x 60
15.6" ¹⁾	1920x1080 (FHD)	Opt. bond	16:9	600 cd/m ²	80°/80°/80°/80°	16.7 million	405 x 254 x 60

¹⁾ available only with WP-6x



About Kontron

Kontron is a global leader in IoT/Embedded Computing Technology (ECT) and offers individual solutions in the areas of Internet of Things (IoT) and Industry 4.0 through a combined portfolio of hardware, software and services. With its standard and customized products based on highly reliable state-of-the-art technologies, Kontron provides secure and innovative applications for a wide variety of industries. As a result, customers benefit from accelerated time-to-market, lower total cost of ownership, extended product lifecycles and the best fully integrated applications.

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

