WP Web Panel 4x, 6x



QIWI TOOLKIT

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
- Premium aluminum front panel, with optional 7" plastic enclosure.
- Higher performance with modern Arm® Quad Core CPU
- Chromium based HTML-5 Browser or MicroBrowser
- QIWI software toolkit for better performance and easy configuration

kontron
The Power of IoT

Product Highlights

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 Panel 4x based on the Arm® i.MX8M Mini processor is also available as the WP-70 4x ECO with a 7" display, featuring a plastic enclosure with IP54 protection. Additional display sizes can be realized as custom variants upon request.
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-70 4x ECO with Arm® i.MX8M Mini	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 4 GByte) 4 GByte eMMC (up to 32 GByte) microSD-slot (up to SDXC-format)		2 GByte LPDDR4 (up to 4 GByte) 8 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 61000-6-3 (emission)		EN 61000-6-2 (immunity), EN 61000-6-3 (emission), EN 61000-6-4 (emission)
CERTIFICATIONS		CE	CE, UL/cUL	CE, UL/cUL
MECHANICAL/ PROTECTION CLASS		PC/ABS plastic front panel (IP54), aluminium rear housing (IP20), with mounting elements for quick installation in both portrait and landscape orientation.	Aluminium front panel (IP65), stainless steel/aluminium rear housing (IP20), with mounting elements for quick installation in both portrait and landscape orientation.	Aluminium front panel (IP65), stainless steel/aluminium rear housing (IP20), with mounting elements for quick installation in both portrait and landscape orientation.
ENVIRONMENT	OPERATING TEMPERATURE COOLING SHOCK VIBRATION RELATIVE HUMIDITY	0 °C ... +55 °C (optional -20 °C ... +55 °C) Fanless Shock (EN 60068-2-27): 15G 11ms (half sine) Vibration (EN 60068-2-6): 10-500Hz 1G/3 axis 10%-90%, non-condensing		0 °C ... +55 °C (optional -20 °C ... +55 °C) Fanless Shock (EN 60068-2-27): 15G 11ms (half sine) Vibration (EN 60068-2-6): 10-500Hz 1G/3 axis 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

Display Information

DISPLAY SIZE	RESOLUTION	TYPE	FORMAT	BRIGHTNESS	VIEWING ANGLE	COLORS	DIMENSIONS
5.0" [1]	800x480	Opt. bond	15:9	550 cd/m²	80°/80°/80°/80°	16.7 million	139 x 98 x 30
7.0"	1024x600	Opt. bond	17:10	450 cd/m²	85°/85°/85°/85°	16.7 million	200 x 132 x 48
10.1"	1280x800	Opt. bond	16:10	430 cd/m²	80°/80°/80°/80°	16.7 million	265 x 187 x 41
15.6"	1366x768	Air-gap	16:9	450 cd/m²	85°/85°/80°/80°	16.7 million	405 x 254 x 60
15.6" [1]	1920x1080 (FHD)	Opt. bond	16:9	600 cd/m²	80°/80°/80°/80°	16.7 million	405 x 254 x 60

1) available only with WP-6x

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**

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