

► FusionClient/FusionView
Industrial HMI for
Smart Visualization & Control



- Multi-touch edge to edge frameless front panel
- Various display dimensions: 12.1" / 15.6" / 18.5" / 21.5"
- Flexible and upgradeable modular concept
- Easy customization with standard building blocks
- Industrial grade – robust, reliable and maintenance-free
- Options for RFID, WLAN, alarm bar and custom I/O
- OSD buttons: programmable as function keys

► WP Web Panel/
CP Control Panel

Scalable Panel PCs with Single or
Dual Core Arm® NXP i.MX6 processors



- Capacitive multitouch
- Display sizes: 7.0", 10.1" and 15.6"
- IP65 aluminium front bezel, optional stainless steel
- Stainless steel housing
- Web Panel: HTML-5 Chromium based or MicroBrowser
- Control Panel: CODESYS Soft-PLC, various fieldbuses

About Kontron – Member of the S&T Group

Kontron is a global leader in IoT/Embedded Computing Technology (ECT). As a part of technology group S&T, Kontron, together with its sister company S&T Technologies, offers a combined portfolio of secure hardware, middleware and services for Internet of Things (IoT) and Industry 4.0 applications. With its standard products and tailor-made solutions based on highly reliable state-of-the-art embedded technologies, Kontron provides secure and innovative applications for a variety of industries. As a result, customers benefit from accelerated time-to-market, reduced total cost of ownership, product longevity and the best fully integrated applications overall.

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

About the Intel® Internet of Things Solutions Alliance

From modular components to market-ready systems, Intel and the 400+ global member companies of the Intel® Internet of Things Solutions Alliance provide scalable, interoperable solutions that accelerate deployment of intelligent devices and end-to-end analytics. Close collaboration with Intel and each other enables Alliance members to innovate with the latest IoT technologies, helping developers deliver first-in-market solutions.

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HMI SERIES
Industrial
Panel PC & Monitors



- **VERSATILE AND USER-FRIENDLY**
Wealth of display sizes, formats and touch options
- **INDUSTRIAL GRADE**
Robust, reliable and maintenance-free

HMI SERIES
Industrial Panel PC & Monitors

Kontron's Panel PCs and monitors offer a wide range of processor capacities and display sizes. Displays in widescreen or regular format from 7.0" to 75" and touch functionalities (PCAP, IR or resistive) increase intuitive usability. Fieldbus interfaces, integrated web server/browser and CODESYS Soft-PLC as an option enable flexible visualization solutions.

► FlatClient/FlatView
Industrial HMI – Flexibility in Size,
Format and Performance



- Display sizes in regular or wide format (10.1" – 23.8")
- Front options: PCAP touch, resistive touch or protection glass
- Panel PC: ECO version (Intel Atom® Quad Core™) and PRO version (Intel® Core™ i5) available
- Industrial grade – robust, reliable, versatile and maintenance-free
- Flexible mounting options: Built-in version or stand-alone/VESA in a full metal housing
- Variants with stainless steel front for high hygiene standards
- Variants for control rooms and 19" cabinets

► FlatClient/FlatView XXL
Industrial HMI with large screen –
A new Dimension of Visualization



- Display sizes 32" – 75" with/without touch
- Full-HD or Ultra-HD resolution
- Industrial grade (IP54, optional IP65) – robust, reliable, versatile and maintenance-free
- Anti-glare, scratch-proof front glass
- Monitor and Panel PC
(ECO: Intel Atom® Quad Core™ / PRO: Intel® Core™ i5)
- Long term availability and reliable 24/7 operation

► FlatClient/FlatView HYG
Industrial HMI with IP69K for
high hygiene standards



- Designed for high hygiene standards following EHEDG guidelines
- Stainless steel housing with IP69K protection (support arm version)
- Suited for washdown applications (e.g. high-pressure cleaning)
- Scalable performance from Intel Atom® to Intel® Core™ i5
- Smooth, seamless display surface for perfect cleanability
- Flexible mounting with support arm or VESA

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HMI SERIES

Industrial Panel PC & Monitors



	FusionClient/FlatClient = Panel PC vers. FusionView/FlatView = Monitor vers.	FusionClient/FusionView	FlatClient/FlatView	FlatClient/FlatView HYG	FlatClient/FlatView STS	FlatClient/FlatView CTR	FlatClient/FlatView RCK	Open Frame Monitor	FlatClient XXL/FlatView XXL	FlatClient/FlatView XXL DSG	WP Web Panel	CP Control Panel
DISPLAY* SIZE/RESOLUTION WF=WIDE FORMAT RF=REGULAR FORMAT	12.1" (WF): 1280x800 15.6" (WF): 1366x768 18.5" (WF): 1366x768 21.5" (WF): 1920x1080	10.1" (WF): 1280x800 10.4" (RF): 800x600 12.1" (RF): 800x600/1024x768 12.1" WXGA (WF): 1280x800 13.3" (WF): 1920x1080 15.0" (RF): 1024x768 15.6" (WF): 1366x768/1920x1080 17.0" (RF): 1280x1024 18.5" (WF): 1366x768/1920x1080 19.0" (RF): 1280x1024 21.5" (WF): 1920x1080 23.8" (WF): 1920x1080	10.1" (WF): 1280x800 10.4" (RF): 800x600 12.1" (RF): 800x600/1024x768 12.1" WXGA (WF): 1280x800 13.3" (WF): 1920x1080 15.0" (RF): 1024x768 15.6" (WF): 1366x768/1920x1080 17.0" (RF): 1280x1024 18.5" (WF): 1366x768/1920x1080 19.0" (RF): 1280x1024 21.5" (WF): 1920x1080 23.8" (WF): 1920x1080	15.6" (WF)*: 1366x768 / 1920x1080 17.0" (RF)*: 1280x1024 18.5" (WF)*: 1366x768 19.0" (RF)*: 1280x1024 21.5" (WF): 1920x1080 23.8" (WF)*: 1920x1080	10.1" (WF): 1280x800 10.4" (RF)*: 800x600 12.1" (RF)*: 800x600/1024x768 12.1" WXGA (WF): 1280x800 13.3" (WF): 1920x1080 15.0" (RF): 1024x768 15.6" (WF)*: 1366x768/1920x1080 17.0" (RF): 1280x1024 18.5" (WF)*: 1366x768/1920x1080 19.0" (RF)*: 1280x1024 21.5" (WF): 1920x1080 23.8" (WF)*: 1920x1080	18.5" (WF): 1920x1080 21.5" (WF): 1920x1080	19.0" (RF): 1280x1024	15.0" (RF): 1024x768 17.0" (RF): 1280x1024 19.0" (RF): 1280x1024	32" (WF): 1920x1080 42" (WF): 1920x1080 55" (WF): 1920x1080 65" (WF): 1920x1080	32" (WF)*: 1920x1080 / 3840x2160 42" (WF)*: 1920x1080 / 3840x2160 55" (WF)*: 1920x1080 / 3840x2160 65" (WF): 1920x1080 / 3840x2160 75" (WF)*: 1920x1080 / 3840x2160	7.0" (WF): 1024x600 10.1" (WF): 1280x800 15.6" (WF): 1366x768	7.0" (WF): 1024x600 10.1" (WF): 1280x800 15.6" (WF): 1366x768
FRONT OPTIONS TOUCH	Projected capacitive touch (PCAP), Multi touch FusionView: see above, Protection glass	Projected capacitive touch (PCAP) Resistive touch (except 23.8") Protection glass	Projected capacitive touch (PCAP) Resistive touch (except 23.8") Protection glass	Projected capacitive touch (PCAP) Protection glass	Projected capacitive touch (PCAP) Protection glass	Projected capacitive touch (PCAP) Protection glass	Projected capacitive touch (PCAP) Protection glass	Projected capacitive touch (PCAP) Resistive touch Protection glass	IR touch Protection glass	Projected capacitive touch (PCAP) Protection glass	Projected capacitive touch (PCAP)	Projected capacitive touch (PCAP)
PROCESSOR (Panel PC version)	Intel Atom® E3815 or E3845 (others on request)	ECO Line: Intel® Celeron® Quad Core™ J1900, Intel® Pentium® Quad Core™ N4200 PRO Line: Intel® Core™ i5-4300U, Intel® Core™ i5-6300U, Intel® Core™ i5-7300U	ECO Line: Intel® Celeron® Quad Core™ J1900, Intel® Pentium® Quad Core™ N4200 PRO Line: Intel® Core™ i5-4300U, Intel® Core™ i5-6300U, Intel® Core™ i5-7300U	ECO Line: Intel® Celeron® Quad Core™ J1900, Intel® Pentium® Quad Core™ N4200 PRO Line: Intel® Core™ i5-6300U, Intel® Core™ i5-7300U	ECO Line: Intel® Celeron® Quad Core™ J1900, Intel® Pentium® Quad Core™ N4200 PRO Line: Intel® Core™ i5-4300U, Intel® Core™ i5-6300U, Intel® Core™ i5-7300U	ECO Line: Intel® Celeron® Quad Core™ J1900, Intel® Pentium® Quad Core™ N4200 PRO Line: Intel® Core™ i5-4300U, Intel® Core™ i5-6300U, Intel® Core™ i5-7300U	ECO Line: Intel® Celeron® Quad Core™ J1900, Intel® Pentium® Quad Core™ N4200 PRO Line: Intel® Core™ i5-4300U, Intel® Core™ i5-6300U, Intel® Core™ i5-7300U	- Panel PC optional on project base	ECO Line: Intel® Celeron® Quad Core™ J1900, Intel® Pentium® Quad Core™ N4200 PRO Line: Intel® Core™ i5-4300U	ECO Line: Intel® Celeron® Quad Core™ J1900, Intel® Pentium® Quad Core™ N4200 PRO Line: Intel® Core™ i5-4300U, Intel® Core™ i5-6300U, Intel® Core™ i5-7300U	NXP Arm® i.MX6 1-2 Cores, 800 MHz	NXP Arm® i.MX6 1-2 Cores, 800 MHz
MOUNTING	Panel mount, VESA	Panel mount, VESA, stand-alone	Panel mount, VESA, stand-alone	Support arm, VESA	Panel mount	VESA with narrow bezel	Panel mount	Panel mount	VESA or suspended from ceiling	VESA or suspended from ceiling	Panel mount	Panel mount
STANDARD INTERFACES	2x GbE (Intel® I210 based), 2x USB 2.0, 1x USB 3.0, 1x DisplayPort, 1x RS-232 FusionView: DVI-I, DP, USB 3.0	ECO Line: Intel® Celeron® Quad Core™ J1900: 2x GbE, 1x HDMI, 1x VGA, 1x USB 3.0, 2x USB 2.0 Intel® Pentium® Quad Core™ N4200: 2x GbE, 1x HDMI, 1x DP, 4x USB 3.0 PRO Line: Intel® Core™ i5-4300U: 3x GbE, 2x Display Port, 4x USB 3.0 Intel® Core™ i5-6300U/ Intel® Core™ i5-7300U: 2x GbE, 1x HDMI, 1x Display Port, 4x USB 3.0 FlatView: DVI, DP, USB 2.0	ECO Line: Intel® Celeron® Quad Core™ J1900: 2x GbE, 1x HDMI, 1x VGA, 1x USB 3.0, 2x USB 2.0 Intel® Pentium® Quad Core™ N4200: 2x GbE, 1x HDMI, 1x DP, 4x USB 3.0 PRO Line: Intel® Core™ i5-6300U/ Intel® Core™ i5-7300U: 2x GbE, 1x HDMI, 1x Display Port, 4x USB 3.0 FlatView HYG: DVI, DP, USB 2.0	ECO Line: Intel® Celeron® Quad Core™ J1900: 2x GbE, 1x HDMI, 1x VGA, 1x USB 3.0, 2x USB 2.0 Intel® Pentium® Quad Core™ N4200: 2x GbE, 1x HDMI, 1x DP, 4x USB 3.0 PRO Line: Intel® Core™ i5-4300U: 3x GbE, 2x Display Port, 4x USB 3.0 Intel® Core™ i5-6300U/ Intel® Core™ i5-7300U: 2x GbE, 1x HDMI, 1x Display Port, 4x USB 3.0 FlatView HYG: DVI, DP, USB 2.0	ECO Line: Intel® Celeron® Quad Core™ J1900: 2x GbE, 1x HDMI, 1x VGA, 1x USB 3.0, 2x USB 2.0 Intel® Pentium® Quad Core™ N4200: 2x GbE, 1x HDMI, 1x DP, 4x USB 3.0 PRO Line: Intel® Core™ i5-4300U: 3x GbE, 2x Display Port, 4x USB 3.0 Intel® Core™ i5-6300U/ Intel® Core™ i5-7300U: 2x GbE, 1x HDMI, 1x Display Port, 4x USB 3.0 FlatView STS: DVI, DP, USB 2.0	ECO Line: Intel® Celeron® Quad Core™ J1900: 2x GbE, 1x HDMI, 1x VGA, 1x USB 3.0, 2x USB 2.0, 1x ETH (LPC4) Intel® Pentium® Quad Core™ N4200: 2x GbE, 1x HDMI, 1x DP, 4x USB 3.0, 1x ETH (LPC4) PRO Line: Intel® Core™ i5-4300U: 3x GbE, 2x Display Port, 4x USB 3.0, 1x ETH (LPC4) Intel® Core™ i5-6300U/ Intel® Core™ i5-7300U: 2x GbE, 1x HDMI, 1x Display Port, 4x USB 3.0 FlatView CTR: DVI, DP, USB 2.0, ETH (LPC4)	ECO Line: Intel® Celeron® Quad Core™ J1900: 2x GbE, 1x HDMI, 1x VGA, 1x USB 3.0, 2x USB 2.0 Intel® Pentium® Quad Core™ N4200: 2x GbE, 1x HDMI, 1x DP, 4x USB 3.0 PRO Line: Intel® Core™ i5-4300U: 3x GbE, 2x Display Port, 4x USB 3.0 Intel® Core™ i5-6300U/ Intel® Core™ i5-7300U: 2x GbE, 1x HDMI, 1x Display Port, 4x USB 3.0 FlatView RCK: DVI, DP, USB 2.0	- Panel PC optional on project base	ECO Line: 2x GbE, 1x HDMI, 1x VGA, 1x USB 3.0, 2x USB 2.0 PRO Line: 3x GbE, 2x Display Port, 4x USB 3.0 FlatView XXL: DVI, DP, USB 2.0	ECO Line: Intel® Celeron® Quad Core™ J1900: 2x GbE, 1x HDMI, 1x VGA, 1x USB 3.0, 2x USB 2.0 Intel® Pentium® Quad Core™ N4200: 2x GbE, 1x HDMI, 1x DP, 4x USB 3.0 PRO Line: Intel® Core™ i5-4300U: 3x GbE, 2x Display Port, 4x USB 3.0 Intel® Core™ i5-6300U/ Intel® Core™ i5-7300U: 2x GbE, 1x HDMI, 1x Display Port, 4x USB 3.0 FlatView XXL DSG: DVI, DP, USB 2.0	1x Ethernet 10/100 (2x Ethernet 10/100 optional), 2x USB 2.0 (Host)	2x Ethernet 10/100 independent, 2x USB 2.0 (Host), 1x CAN (isol.), 2x RS232, 1x RS485 (isol.)
WIRELESS INTERFACES (OPT.)	RFID, WiFi	RFID, WiFi	RFID, WiFi	RFID, WiFi	RFID, WiFi	RFID, WiFi	RFID, WiFi	-	RFID, WiFi	RFID, WiFi	-	-
POWER	15-30 VDC	12-30 VDC or PoE	12-30 VDC or PoE	12-30 VDC or PoE	12-30 VDC or PoE	12-30 VDC	12 - 30 VDC	12 V DC/24 VDC (12 - 30 VDC)	90 - 264 V, 47 - 63 Hz	90 - 264 V, 47 - 63 Hz	24 VDC +-20 %	24 VDC +-20 %
PROTECTION CLASS	IP65 front, IP20 rear	IP65 front, IP20 rear	IP65 front, IP20 rear	IP69K (support arm), IP68 (VESA)	IP65 front, IP20 rear	IP65 front, IP20 rear	IP65 front, IP20 rear	IP65 front, IP20 rear	IP54	IP54, optional IP65	IP65 (aluminium front), IP20 rear (stainless steel)	IP65 (aluminium front), IP20 rear (stainless steel)
COOLING	Fanless	Fanless	Fanless	Fanless	Fanless	Fanless	Fanless	Fanless	Fanless	Fanless	Fanless	Fanless
CERTIFICATIONS	CE, UL	CE, ULus	CE	CE, ULus	CE, ULus	CE, ULus	CE, ULus	CE, UL (12 V DC)	CE	CE	CE	CE
OPERATING TEMPERATURE	0 °C to +50 °C	0 °C to +50 °C	0 °C to +50 °C	0 °C to +50 °C	0 °C to +50 °C	0 °C to +50 °C	0 °C to +50 °C	0 °C to +45 °C	0 °C to +45 °C	0 °C to +55 °C	0 °C to +55 °C	0 °C to +55 °C
SHOCK	30 G 11 ms duration (half sine)	15 G 11 ms duration (half sine)	15 G 11 ms duration (half sine)	15 G 11 ms duration (half sine)	15 G 11 ms duration (half sine)	15 G 11 ms duration (half sine)	15 G 11 ms duration (half sine)	15 G 11 ms duration (half sine)	15 G 11 ms duration (half sine)	15 G 11 ms duration (half sine)	tbd	tbd
VIBRATION	10-500 Hz: 1G/3 axis	10-500 Hz: 1G/3 axis	10-500 Hz: 1G/3 axis	10-500 Hz: 1G/3 axis	10-500 Hz: 1G/3 axis	10-500 Hz: 1G/3 axis	10-500 Hz: 1G/3 axis	10-500 Hz: 1G/3 axis	10-500 Hz: 1G/3 axis	10-500 Hz: 1G/3 axis	tbd	tbd
ALTITUDE	3000 m	3000 m	3000 m	3000 m	3000 m	3000 m	3000 m	3000 m	3000 m	3000 m	2000 m	2000 m
SUPPORTED OS	Windows 7; Windows 10; Linux Embedded	Windows7 incl. Embedded (except Intel® Core™ i5-7300U), Windows8.1 incl. Embedded, Windows 10 IoT, Linux	Windows7 incl. Embedded (except Intel® Core™ i5-7300U), Windows8.1 incl. Embedded, Windows 10 IoT, Linux	Windows7 incl. Embedded (except Intel® Core™ i5-7300U), Windows8.1 incl. Embedded, Windows 10 IoT, Linux	Windows7 incl. Embedded (except Intel® Core™ i5-7300U), Windows8.1 incl. Embedded, Windows 10 IoT, Linux	Windows7 incl. Embedded (except Intel® Core™ i5-7300U), Windows8.1 incl. Embedded, Windows 10 IoT, Linux	Windows7 incl. Embedded (except Intel® Core™ i5-7300U), Windows8.1 incl. Embedded, Windows 10 IoT, Linux	Windows7 incl. Embedded (except Intel® Core™ i5-7300U), Windows8.1 incl. Embedded, Windows 10 IoT, Linux	Windows7 incl. Embedded, Windows8.1 incl. Embedded, Windows 10 IoT, Linux	Windows7 incl. Embedded, Windows8.1 incl. Embedded, Windows 10 IoT, Linux	Embedded Linux (Yocto) Standard Browser: Chromium based Optional Browser: MicroBrowser by iniNet	Embedded Linux (Yocto) Optional Soft-PLC: CODESYS V3 Optional Protocols: EtherCAT, Modbus TCP/RTU, Profinet, Ethernet IP, CANopen, OPC UA

* all displays with IPS technology

* sizes on request

* sizes on request

* sizes on request

Learn more about Kontron's Panel PCs and Monitors:
<https://www.kontron.com/products/systems/panel-pc>
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