

HMI SERIES Industrial Panel PC & Monitors

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Kontron's Panel PCs and monitors offer a wide range of processor capacities and display sizes. Displays in widescreen or regular format from 10.1" to 75" and touch functionalities (PCAP, IR or resistive) increase intuitive usability. Frameless front panels ensure a modern industrial design.

WideLink Technology enables the operation of visualization systems at up to 100 meters distance from the control computer

- ▶ Independent from OS or any other software
- ▶ Data communication via one single Ethernet cable
- ▶ Data transmission without time lag or quality loss

About Kontron – An S&T Company

Kontron is a global leader in IoT/embedded computing technology (ECT). As a part of technology group S&T, Kontron 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.

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.



Global Headquarters

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- ▶ **VERSATILE AND USER-FRIENDLY**
Wealth of display sizes, formats and touch options

- ▶ **INDUSTRIAL GRADE**
Robust, reliable and maintenance-free

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, opt. 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

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

HMI SERIES

Industrial Panel PC & Monitors



FusionClient/FlatClient = Panel PC version
FusionView/FlatView = Monitor version

FusionClient/FusionView

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
FRONT OPTIONS TOUCH	Projected capacitive touch (PCAP), Multi touch FusionView: see above, Protection glass
PROCESSOR (Panel PC version)	Intel Atom® E3815 or E3845 (others on request)
MOUNTING	Panel mount, VESA
STANDRAD 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
WIRELESS INTERFACES (OPT.)	RFID, WiFi
MESSAGING (OPT.)	Multi-colour Alarm Bar
PROTECTION CLASS	IP65 front, IP20 rear
COOLING	Fanless
CERTIFICATIONS	CE, UL
OPERATING TEMPERATURE	0 °C to +50 °C
SHOCK	30 G 11 ms duration (half sine)
VIBRATION	10-500 Hz: 1G/3 axis
ALTITUDE	3000 m
SUPPORTED OS	Windows 7; Windows 10; Linux Embedded

FlatClient/FlatView

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 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 19.0" (RF): 1280x1024 21.5" (WF): 1920x1080 23.8" (WF): 1920x1080
Projected capacitive touch (PCAP) Resistive touch (except 23.8") Protection glass	Projected capacitive touch (PCAP) Resistive touch (except 23.8") Protection glass
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 mount, VESA, stand-alone	Panel mount
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™ i5-4300U: 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
RFID, WiFi	RFID, WiFi
-	-
IP65 front, IP20 rear	IP65 front, IP20 rear
Fanless	Fanless
CE, Ulus	CE, Ulus
0 °C to +50 °C	0 °C to +50 °C
15 G 11 ms duration (half sine)	15 G 11 ms duration (half sine)
10-500 Hz: 1G/3 axis	10-500 Hz: 1G/3 axis
3000 m	3000 m
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

* sizes on request

FlatClient/FlatView STS

FlatClient/FlatView CTR

18.5" (WF): 1920x1080 21.5" (WF): 1920x1080	18.5" (WF): 1920x1080 21.5" (WF): 1920x1080
Projected capacitive touch (PCAP)	Projected capacitive touch (PCAP)
Protection glass	Protection glass
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
VESA with narrow bezel	VESA with narrow bezel
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, 1x ETH (LPC4) 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, 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, 1x ETH (LPC4) FlatView CTR: DVI, DP, USB 2.0, ETH (LPC4)
RFID, WiFi	RFID, WiFi
-	-
IP65 front, IP20 rear	IP65 front, IP20 rear
Fanless	Fanless
CE, Ulus	CE, Ulus
0 °C to +50 °C	0 °C to +50 °C
15 G 11 ms duration (half sine)	15 G 11 ms duration (half sine)
10-500 Hz: 1G/3 axis	10-500 Hz: 1G/3 axis
3000 m	3000 m
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

FlatClient/FlatView RCK

19.0" (RF): 1280x1024	19.0" (RF): 1280x1024
Projected capacitive touch (PCAP)	Projected capacitive touch (PCAP)
Protection glass	Protection glass
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
VESA with narrow bezel	VESA with narrow bezel
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	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
RFID, WiFi	RFID, WiFi
-	-
IP65 front, IP20 rear	IP65 front, IP20 rear
Fanless	Fanless
CE, Ulus	CE, Ulus
0 °C to +50 °C	0 °C to +50 °C
15 G 11 ms duration (half sine)	15 G 11 ms duration (half sine)
10-500 Hz: 1G/3 axis	10-500 Hz: 1G/3 axis
3000 m	3000 m
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

FlatClient XXL/FlatView XXL

32" (WF): 1920x1080 42" (WF): 1920x1080 55" (WF): 1920x1080 65" (WF): 1920x1080	32" (WF): 1920x1080 42" (WF): 1920x1080 55" (WF): 1920x1080 65" (WF): 1920x1080
IR touch Protection glass	Projected capacitive touch (PCAP) Protection glass
ECO Line: Intel® Celeron® Quad Core™ J1900 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
VESA or suspended from ceiling	VESA or suspended from ceiling
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
RFID, WiFi	RFID, WiFi
-	-
IP54	IP54, opt. IP65
Fanless	Fanless
CE	CE
0 °C to +45 °C	0 °C to +45 °C
15 G 11 ms duration (half sine)	15 G 11 ms duration (half sine)
10-500 Hz: 1G/3 axis	10-500 Hz: 1G/3 axis
3000 m	3000 m
Windows7 incl. Embedded, Windows8.1 incl. Embedded, Windows 10 IoT, Linux	Windows7 incl. Embedded (except Intel® Core™ i5-7300U), Windows8.1 incl. Embedded, Windows 10 IoT, Linux

FlatClient/FlatView XXL DSG

32" (WF): 1920x1080 / 3840x2160 42" (WF): 1920x1080 / 3840x2160 55" (WF): 1920x1080 / 3840x2160 65" (WF): 1920x1080 / 3840x2160 75" (WF): 1920x1080 / 3840x2160	32" (WF): 1920x1080 / 3840x2160 42" (WF): 1920x1080 / 3840x2160 55" (WF): 1920x1080 / 3840x2160 65" (WF): 1920x1080 / 3840x2160 75" (WF): 1920x1080 / 3840x2160
Projected capacitive touch (PCAP)	Projected capacitive touch (PCAP)
Protection glass	Protection glass
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
VESA or suspended from ceiling	VESA or suspended from ceiling
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	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
RFID, WiFi	RFID, WiFi
-	-
IP54, opt. IP65	IP54, opt. IP65
Fanless	Fanless
CE	CE
0 °C to +45 °C	0 °C to +45 °C
15 G 11 ms duration (half sine)	15 G 11 ms duration (half sine)
10-500 Hz: 1G/3 axis	10-500 Hz: 1G/3 axis
3000 m	3000 m
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

► Learn more about Kontron's Panel PCs and Monitors:
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