

KONTRON FlatClient



A NEW LEVEL OF FLEXIBILITY AND VERSATILITY

- ▶ Display sizes from 10.1" to 23.8" in regular or wide format
- ▶ Front options: PCAP touch, resistive touch or protection glass
- ▶ ECO version (Intel® Atom™) and PRO version (Intel® Core™) available
- ▶ Industrial grade - robust, reliable, versatile and maintenance-free
- ▶ Flexible mounting options: Built-in version or full metal housing (stand-alone/VESA)

POSSIBILITIES START HERE



kontron

FLATCLIENT

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With its FlatClient series, available as ECO and PRO version, Kontron offers high flexibility with respect to the design. It can be installed as a standalone solution (full-metal), with VESA 75/75 or 100/100, as well as a built-in solution.

All FlatClient models feature an easy-clean, anti-glare and scratch-proof IP65 protected front glass. The front options offer a choice between either PCAP touch, resistive touch, or protection glass.

Both versions of the FlatClient are available from 10.1" to 23.8", which can be operated in both landscape and portrait format.

Intuitive multi-touch access to real-time actionable data makes the FlatClient the perfect fit for SCADA and Manufacturing Execution Systems (MES), process visualization and other control applications.

The thoroughly modular design can be easily customized for a broad variety of applications, thus making it suitable across all industries which require the visualization and processing of data.

TECHNICAL INFORMATION

	ECO Line	PRO Line
DISPLAY SIZE	See table below	See table below
LED BACKLIGHT	Life time ≥ 50.000 h (30.000 h for 23.8")	Life time ≥ 50.000 h (30.000 h for 23.8")
FRONT OPTIONS	Projected capacitive touch (PCAP) / Resistive touch (except 23.8") / Protection glass	Projected capacitive touch (PCAP) / Resistive touch (except 23.8") / Protection glass
MOUNTING	Panel mount or VESA	Panel mount or VESA
PROCESSOR	Intel® Celeron® Quad Core™ J1900	Intel® Core™ ULT i5-4300U Intel® Core™ i5-6360U
RAM	4 GByte DDR3 SO-DIMM	4 GByte DDR3 SO-DIMM
STANDARD INTERFACES	2x GbE (1x Intel® I210, 1x Realtek RTL8111G), 1x HDMI, 1x VGA, 1x USB3.0, 2x USB2.0	3x GbE (2x Intel® I210, 1x Intel® I218-LM), 2x Display Port, 4x USB3.0
WIRELESS INTERFACES	RFID, WiFi	RFID, WiFi
POWER SUPPLY	16-30 VDC	16-30 VDC
EMC	EN55022 class B	EN55022 class B
CERTIFICATIONS	CE, cULus	CE, cULus
ALTITUDE	Up to 10.000 ft (3.000 m)	Up to 10.000 ft (3.000 m)
SHOCK, ACCORDING TO EN 60068-2-27	15 G 11 ms duration (half sine)	15 G 11 ms duration (half sine)
VIBRATION, ACCORDING TO EN 60068-2-6	10-500 Hz: 1G/3 axis	10-500 Hz: 1G/3 axis
OPERATING TEMPERATURE	0 °C to +50 °C	0 °C to +50 °C
PROTECTION CLASS	IP65 front, IP20 rear	IP65 front, IP20 rear
HUMIDITY	10 %-90 % @ 39 °C, non condensing	10 %-90 % @ 39 °C, non condensing
MTBF	> 50.000 h	> 50.000 h
VERIFIED OS	Windows7 incl. Embedded, Windows8.1 incl. Embedded, Linux	Windows7 incl. Embedded, Windows8.1 incl. Embedded, Linux
RoHS COMPLIANT	yes	yes
COOLING	Fanless passive cooling	Fanless passive cooling
OPTIONS (FURTHER OPTIONS ON REQUEST)	8 GByte RAM CF/SD Card Adapter SD Card Memory 4 GByte, 16 GByte, 32 GByte, 64 GByte mSATA SSD 32 GByte, 64 GByte, 128 GByte 2x COM (RS232, RS422, RS485) Audio with amplifier (2x 3 W) CF Card Memory	8 GByte RAM CF/SD Card Adapter SD Card Memory 4 GByte, 16 GByte, 32 GByte, 64 GByte mSATA SSD 32 GByte, 64 GByte, 128 GByte 2x COM (RS232, RS422, RS485) Audio with amplifier (2x 3 W) CF Card Memory

▶ DISPLAY INFORMATION

DISPLAY SIZE	RESOLUTION	FORMAT	BRIGHTNESS	DIMENSIONS	VIEWING ANGLE	COLORS	WEIGHT
10.4"	800x600	4:3	400cd	297 x 244 x 65	H160 ° / V140 °	16.7 million	~ 3,9 kg
12.1"	800x600	4:3	450cd	338 x 277 x 65	H178 ° / V178 °	16.7 million	~ 4,7 kg
12.1" XGA	1024x768, XGA	4:3	600cd	338 x 277 x 65	H160 ° / V140 °	16.2 million	~ 4,7 kg
15.0"	1024x768	4:3	400cd	396 x 312 x 69	H160 ° / V140 °	16.7 million	~ 6,4 kg
15.6"	1366x768, HD	16:9	300cd	432 x 281 x 74	H160 ° / V160 °	16.7 million	~ 6,7 kg
15.6" Full HD	1920x1080, Full HD	16:9	400cd	432 x 281 x 74	H140 ° / V120 °	16.2 million	~ 6,7 kg
17.0"	1280x1024	5:4	350cd	427 x 360 x 74	H160 ° / V140 °	16.7 million	~ 7,8 kg
18.5"	1366x768, HD	16:9	300cd	500 x 321 x 74	H178 ° / V170 °	16.7 million	~ 8,6 kg
19.0"	1280x1024	5:4	350cd	473 x 396 x 68	H170 ° / V160 °	16.7 million	~ 9,4 kg
21.5"	1920x1080, Full HD	16:9	300cd	575 x 367 x 74	H178 ° / V178 °	16.7 million	~ 10,7 kg
23.8"	1920x1080	16:9	250cd	569 x 357 x 69	H178 ° / V178 °	16.7 million	~ 11,8 kg

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