

FlatClient STS Stainless Steel



Industrial Grade Panel PC for Environments with High Hygienic Standards

- ▶ Stainless steel front – corrosion-resistant and high sanitary
- ▶ Display sizes 10.1" - 23.8" in regular or wide format
- ▶ ECO version (Intel® Celeron® Quad Core™) and PRO version (Intel® Core™ i5)
- ▶ Industrial grade – robust, reliable, versatile and maintenance-free

FlatClient STS

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With its FlatClient STS series, available as ECO and PRO version, Kontron offers high flexibility with respect to the design. The Stainless Steel edition of the FlatClient comes with a stainless steel frame as well as an easy-to-clean glass front and special sealing materials.

With a direct integration (built-in) the FlatClient STS is tailored to the requirements and regulations for direct deployment in applications with high hygienic requirements.

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

The thoroughly modular design can be easily customized for a broad variety of applications, thus making this series suitable for all fields which require the visualization and processing of data, even in harsh or sensitive environments.

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")
TOUCH SCREEN	Projected capacitive touch PCAP / Protection glass	Projected capacitive touch PCAP / Protection glass
MOUNTING	Panel mount	Panel mount
PROCESSOR	Intel® Celeron® Quad Core™ J1900 Intel® Pentium® Quad Core™ N4200	Intel® Core™ i5-6300U Intel® Core™ i5-7300U Intel® Core™ i5-8365UE Intel® Celeron® 3965U Intel® Celeron® 4305U
RAM	4 GByte DDR3 SO-DIMM	4 GByte DDR4 SO-DIMM
STANDARD INTERFACES	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	Intel® Core™ i5-6300U/7300U/Intel® Celeron® 3965U: 2x GbE, 1x HDMI, 1x Display Port, 4x USB 3.0 Intel® Core™ i5-8365UE/Intel® Celeron® 4305U: 2x GbE, 2x Display Port, 4x USB 3.1
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, Windows 10 IoT, Linux	Intel® Core™ i5-6300U: Windows7, Windows 10 IoT, Linux all other CPUs: Windows 10 IoT, Linux
RoHS COMPLIANT	yes	yes
COOLING	Fanless passive cooling	Fanless passive cooling
OPTIONS (FURTHER OPTIONS ON REQUEST)	Other Intel® CPUs/Platforms on request 8 GByte RAM CF/SD Card Adapter SD Card Memory 4 GB, 16 GB, 32 GB, 64 GB mSATA SSD 32 GB, 64 GB, 128 GB, 256 GB, 512 GB 2x COM (RS232, RS422, RS485) Audio with amplifier (2x 3 W) CF Card Memory WiFi RFID	Other Intel® CPUs/Platforms on request 8 GByte RAM 16 GByte RAM CF/SD Card Adapter SD Card Memory 4 GB, 16 GB, 32 GB, 64 GB Intel® Core™ i5-6300U / Intel® Core™ i5-7300U: m.2 SSD, 64 GB, 128 GB, 256 GB, 512 GB, 1024 GB (1 TB) 2x COM (RS232, RS422, RS485) Audio with amplifier (2x 3 W) CF Card Memory WiFi RFID

*Display size 23.8": cULus listed 0 °C to +45 °C

► DISPLAY INFORMATION

DISPLAY SIZE	RESOLUTION	FORMAT	BRIGHTNESS	DIMENSIONS	VIEWING ANGLE	COLORS	WEIGHT
10.1"	1280x800	16:10	500cd	276 x 195 x 65	H170 ° / V170 °	16.2 million	~ 3,7 kg
10.4" *	800x600	4:3	400 cd	297 x 244 x 65	H160° / V140°	16.7 million	~ 3,9 kg
12.1" *	800x600	4:3	450 cd	338 x 277 x 65	H178° / V178°	16.7 million	~ 4,7 kg
12.1" XGA *	1024x768, XGA	4:3	600 cd	338 x 277 x 65	H160° / V140°	16.2 million	~ 4,7 kg
12.1" WXGA	1280x800	16:10	500cd	321 x 234 x 65	H178 ° / V178 °	16.7 million	~ 4,7 kg
13.3"	1920x1080, Full HD	16:9	400cd	354 x 226 x 65	H178 ° / V178 °	16.7 million	~ 5,3 kg
15.0"	1024x768	4:3	400 cd	396 x 312 x 69	H160° / V140°	16.7 million	~ 6,4 kg
15.6" *	1366x768, HD	16:9	300 cd	432 x 281 x 74	H160° / V160°	16.7 million	~ 6,7 kg
15.6" Full HD *	1920x1080, Full HD	16:9	400 cd	432 x 281 x 74	H140° / V120°	16.2 million	~ 6,7 kg
17.0" *	1280x1024	5:4	350 cd	427 x 360 x 74	H160° / V140°	16.7 million	~ 7,8 kg
18.5" *	1366x768, HD	16:9	300 cd	500 x 321 x 74	H178° / V170°	16.7 million	~ 8,6 kg
19.0" *	1280x1024	5:4	350 cd	473 x 396 x 68	H170° / V160°	16.7 million	~ 9,4 kg
21.5"	1920x1080, Full HD	16:9	300 cd	575 x 367 x 74	H178° / V178°	16.7 million	~ 10,7 kg
23.8" *	1920x1080	16:9	250 cd	569 x 357 x 69	H178° / V178°	16.7 million	~ 11,8 kg

* sizes on request