

# KONTRON FusionClient

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## A NEW DIMENSION OF VISUALIZATION

- ▶ smart automation: predictable productivity in a connected environment
- ▶ forever young: maximum innovation with a flexible and upgradable modular concept
- ▶ maintenance-free: reduces TCO and ensures 24/7 operation at utmost longevity
- ▶ easy customization: based on standard building blocks
- ▶ enhanced user experience: intuitive, multi-touch user interface enabling limitless holistic 'single pane of glass' views

POSSIBILITIES START HERE



**kontron**

# FusionClient

## A NEW DIMENSION OF VISUALIZATION

FusionClient optimizes usability and functionality, empowering solutions architects, systems integrators and machine builders to place the full potential of the Industrial IoT and Smart Automation at users' fingertips. The innovative and modular FusionClient HMI combines an edgeless, easy-clean, pure glass multi-touch interface with the industry proven performance and flexibility of the Kontron COM Express® Computer-on-Module. Intuitive multi-touch access to real-time actionable data makes FusionClient well suited for use with real-time SCADA and Manufacturing Execution Systems (MES) monitoring and control applications.

Holistic, single pane of glass views of the entire production process across individual or multiple sites will lead to increased productivity and more informed and timely decision making. All FusionClient multi-touch displays are frameless and feature easy-clean front glass which is anti-glare and scratch-proof as well as being IP65 front side protected. Based on the standard 16:9 wide format displays will be available in 10.1", 15.6", 18.5" and 21.5" sizes, both landscape & portrait. W-LAN and LED alarm bar options enable tracking and checking machine issues and their severity. An RFID reader can be mounted behind the glass for enabling highly secure user access.

### ► TECHNICAL INFORMATION

DISPLAY SIZE	15.6"	21.5"
RESOLUTION	1.366 x 768	1.920 x 1.080
FORMAT	16:9	16:9
BRIGHTNESS (DISPLAY)	400 cd/m <sup>2</sup>	300 cd/m <sup>2</sup>
LED BACKLIGHT	Life time > = 50.000h	
TOUCH SCREEN	Projected capacitive touch (PCAP), multi-touch	
DIMENSIONS (HxWxD)	414 x 298 x 90 mm	545 x 373 x 92 mm
MESSAGING	Alarm Bar (programmable color)	
MOUNTING	Panel mount or VESA	
PROCESSOR	Intel® Atom™ E3845 or E3826 (optional: E3827, E3825, E3815)	
RAM	Up to 8 GB	
STANDARD INTERFACES	2x Gbe (Intel I210 based), 2x USB 2.0, 1x USB 3.0, 1x DisplayPort, 1x RS-232	
OPTIONS	RFID, WiFi	
FIELD BUSES	CAN bus, Profibus, CAN open, NVRAM	
INTERNAL DRIVES	eMMC, mSATA, 2.5" SATA SSD via miniPCIe slot	
REMOVABLE DRIVES	SD card	
POWER SUPPLY	24VDC (± 25 %)	
COOLING	Fanless	
EMC	US:FCC CFR47 Part 15 Subpart B Class B; CE: EN 61000-6-2; EN 55022 Class B	
CERTIFICATIONS	CB, CE, UL (US/CAN)	
PROTECTION CLASS	IP65 front; IP20 rear	
ALTITUDE	Operating: 10000 ft (3.000 m) / Storage: 15000 ft (4.572 m)	
SHOCK ACC. TO EN 60068-2-27	Operating: 15 G 11 ms duration / Storage: 30 G 11 ms duration (half-sinus)	
VIBRATION ACC. TO EN 60068-2-6	Operating: 10-500 Hz: 1G/3 axis / Storage: 10-500 Hz: 2G/3 axis	
OPERATING TEMPERATURE	0 °C to +50 °C	
HUMIDITY	5 % to 90 % non-condensing	
MTBF	> 50.000h (excluding backlight)	
VERIFIED OS	Windows Embedded Standard 8; Windows Embedded Standard 7 ; Linux Embedded, Windows 8.1 ; Windows 7	
RoHS COMPLIANT	Yes	

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