

MediClient



MEDICAL GRADE PANEL PC

- ▶ Seamless, flush all-glass front for best cleanability
- ▶ Anti-glare and anti-fingerprint surface finish for best readability
- ▶ Robust powder coated stainless steel housing
- ▶ PCAP touch operation even with medical gloves
- ▶ IEC 60601-1 compliant

POSSIBILITIES START HERE

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MEDICAL GRADE PANEL PC

Kontron's new MediClient Panel PC with its robust front made of continuous tempered glass and a seamless user interface is ideally suited for all applications with high hygienic requirements as well as in the tough clinic routine. Special anti-glare and anti-fingerprint surface finishes ensure the best readability even with touch operation or difficult lighting conditions. The PCAP touch can also be operated with medical gloves. All relevant system components have been developed and manufactured in-house, thus ensuring individual customization and prompt support.

The system was developed in compliance with DIN EN 60601-1 for special safety of electronic devices in medical environments and is suitable for all applications with comprehensive hygienic specifications such as in nurses' stations, operating rooms, intensive care units or even in laboratories, pharmacies and clean rooms. Data transmission between different medical devices such as hospital information systems and wearables is ensured by wireless interfaces (WiFi, BT) and the EN 60601 certified isolated interfaces. In addition, MediClient supports the SDC standard (Service-oriented Device Connectivity) and thus enables standardized communication across manufacturer boundaries.

▶ TECHNICAL INFORMATION

DISPLAY SIZE	21.5"
FORMAT/RESOLUTION	1920 x 1080/16:9
LED BACKLIGHT	Life time >=50.000 h
BRIGHTNESS	400 cd/m ²
VIEWING ANGLE	H178°/V178°
DIMENSIONS	523,4 x 336 x 65 mm
WEIGHT	9 kg
FRONT OPTIONS	Projected capacitive touch (PCAP), anti-glare and anti-fingerprint hardened glass
MOUNTING	VESA 100
PROCESSOR	Intel® Celeron® 4305UE (2 Cores, 2M Cache, 2.00 GHz) Intel® Core™ i5-8365UE (4 cores, 6M Cache, up to 4.10 GHz)
RAM	Intel® Celeron® 4305UE: 4/8/16 GByte Intel® Core™ i5-8365UE: 4/8/12/20 GByte
MASS STORAGE	128/256/512 GByte SSD
STANDARD INTERFACES	4x USB 3.2 Gen 2 2x GBeth (2 MOOP) 3x RS232 (2 MOOP) 2x DP++
WIRELESS INTERFACES	RFID (Frequency Band 13,56 MHz**) WiFi IEEE802.11 ac/a/b/g/n BT 5.1
POWER IN	24 VDC (non-isolated, max. operating range 18-30 VDC) 24 VDC (isolated 1MOOP, 1500 VAC, >1,3 mm isolation barrier, max. operating range 9-30 VDC)
CERTIFICATIONS	CE, UL, EN 60601-1 4 th Edition
ALTITUDE	Up to 4.000 m (Storage: 5600 m)
SHOCK ACC. TO EN 60068-2-27	30 G 11 ms duration (half sine)
VIBRATION ACC. TO EN 60068-2-6	10-500 Hz: 2G/3 axis
OPERATING TEMPERATURE STORAGE TEMPERATURE	0 °C to +40 °C -20 °C to +70 °C

▶ TECHNICAL INFORMATION

PROTECTION CLASS	IP65 front IP32 rear
HUMIDITY	10 %-90 % @ 39 °C, non condensing
MTBF	> 50.000 h
VERIFIED OS	Windows 10 IoT, Linux
RoHS COMPLIANT	yes
COOLING	passive cooling, fanless
OPTIONS (FURTHER OPTIONS ON REQUEST)	Protection glass Intel® Core™ i3-8145UE / i7-8665UE/ others RAM extension SSD extension LTE High brightness Displays Customized printing/packaging/IO/BIOS Hardened OS

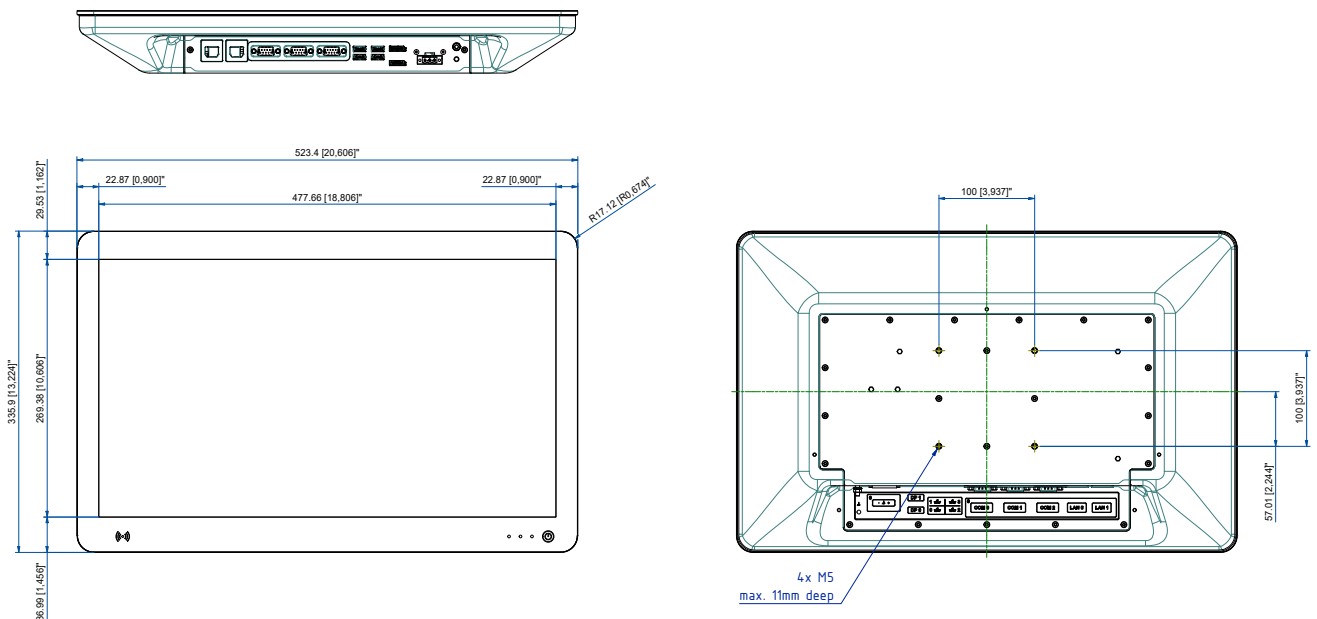
*) In preparation

**) Supporting multiple Transponders,

eg.: ISO14443 A: LEGIC Advant, MIFARE Classic, MIFARE DESFire EV1+2, MIFARE Plus S+X, MIFARE SmartMX, PayPass, MIFARE Classic EV1, MIFARE Ultralight EV1, MIFARE Ultralight C... ISO14443 B: Calypso, CEPAS, HID iCLASS, Moneo, ... ISO15693: EM4x33, EM4x35, Tag-it, my-d vicinity, iCODE SLI, M24LR16/64, PicoPass, HID iCLASS... ISO18092 / ECMA-340: NFC Peer-to-Peer, : NFC Forum Tag Type 1-5, Sony FeliCa...



▶ DIMENSIONS



▶ ORDERING INFORMATION

ARTICLE	PART NO.	DESCRIPTION
MediClient Intel® Celeron® 4305UE	2-A1H1-2005	Display 21.5, 1920 x 1080 FHD 16:9 anti-glare and anti-fingerprint PCAP multitouch powder coated stainless steel housing, VESA 100 Intel® Celeron® 4305UE (2 Cores, 2M Cache, 2.0 GHz) 8 GByte RAM, 256 GByte SSD 4x USB 3.2 Gen 2, 2x GBEth (2 MOOP), 3x RS232/422/485 (2 MOOP), 2x DP++, WiFi IEEE 802.11 ac/a/b/g/n and BT 5.1 24 V DC isolated (9-30V DC, 1500 V AC, 1 MOOP, >1,3 mm isolation barrier) Win10 IoT
MediClient Intel® Core™ i5-8365UE	2-A1H1-2006	Display 21.5, 1920x1080 FHD 16:9 anti-glare and anti-fingerprint PCAP multitouch powder coated stainless steel housing, VESA 100 Intel® Core™ i5-8365UE (4 cores, 6M Cache, up to 4.10 GHz) 8 GByte RAM, 256 GByte SSD 4x USB 3.2 Gen 2, 2x GBEth (2 MOOP), 3x RS232/422/485 (2 MOOP), 2x DP++, WiFi IEEE 802.11 ac/a/b/g/n and BT 5.1 24 V DC isolated (9-30 V DC, 1500 V AC, 1 MOOP, >1,3 mm isolation barrier) Win10 IoT
ACCESSORIES		
AC/DC ADAPTER	ER40-100008-01	65 W (includes Power Connector)
POWER CONNECTOR	1062-2463	
MONITOR STAND	1068-6122	Stainless Steel, heavy duty

▶ GLOBAL HEADQUARTERS

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