



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
- Touch operation with two-layers of medical gloves
- IEC 60601-1 compliant

MediClient - Medical Grade Panel PC

Kontron's new MediClient Panel PC with its robust front made of continuous hardened glass is ideally suited for all applications with high hygienic requirements as well as in the tough clinic routine. The PCAP touch display with anti-glare and anti-fingerprint surface finish can be operated even with two layers of medical gloves and is perfectly readable even in difficult lighting conditions. 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"	23.8"
FORMAT/RESOLUTION	1920 x 1080/16:9	1920 x 1080/16:9
LED BACKLIGHT	Life time >=50.000 h	Life time >=50.000 h
BRIGHTNESS	400 cd/m ²	400 cd/m ²
VIEWING ANGLE	H178°/V178°	H178°/V178°
DIMENSIONS	523.4 x 336 x 65 mm	573 x 368 x 65mm
WEIGHT	appr. 9.8 kg	appr. 11.3 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 (isolated 1MOOP, 1500 VAC, >1,3 mm isolation barrier, max. operating range 9-30 VDC)	
CERTIFICATIONS	CE, UL	
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	

PROTECTION CLASS	IP65 front IP22 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)	24 VDC (non-isolated, max. operating range 18-30 VDC) Protection glass Intel® Core™ i3-8145UE / i7-8665UE/ others RAM extension SSD extension LTE High brightness Displays Customized printing/packaging/IO/BIOS Hardened OS

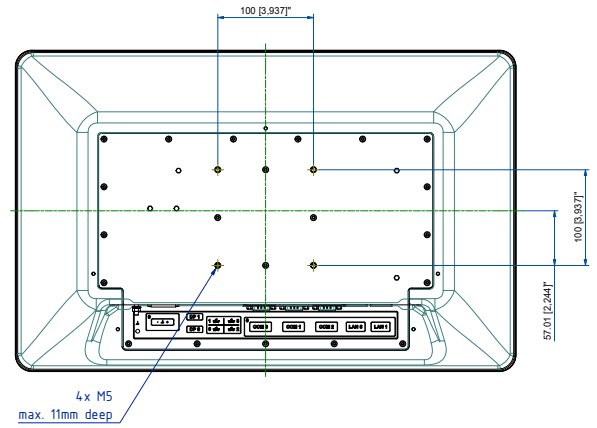
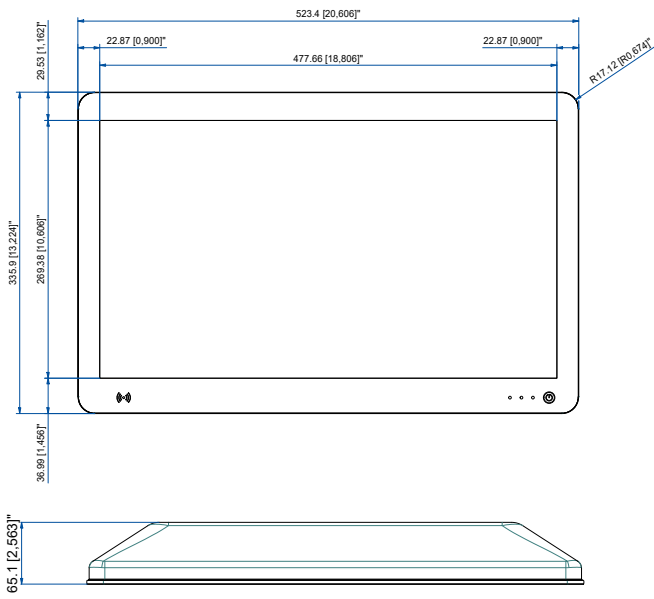
*) In preparation

**) Supporting multiple Transponders.

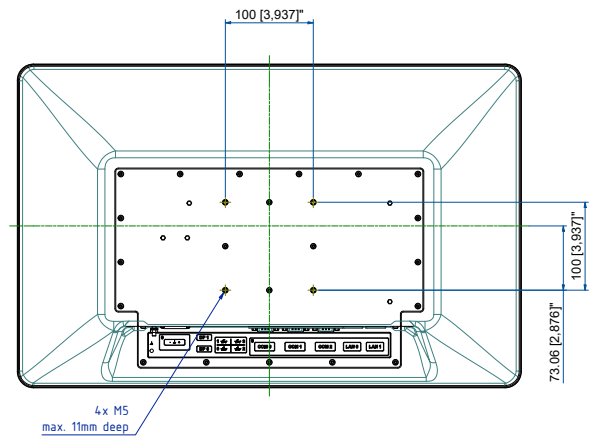
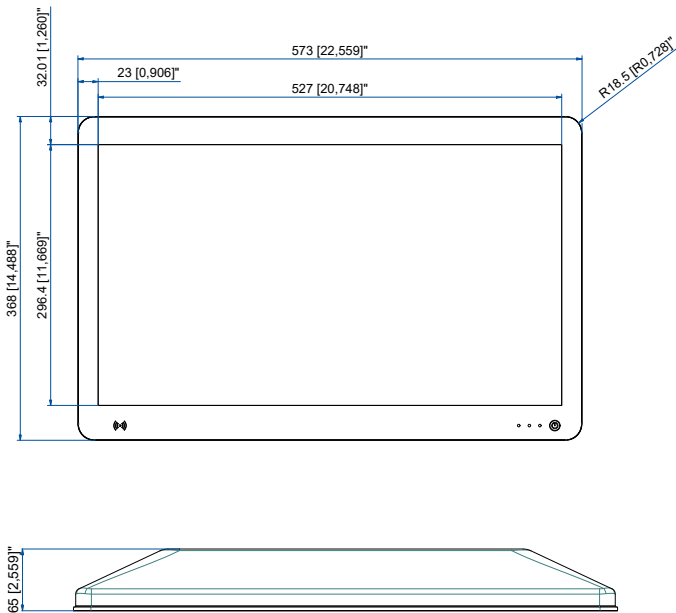
eg.: ISO14443 A: LEGIC Advant, MIFARE Classic, MIFARE DESFire EV1+2, MIFARE Plus S+X, MIFARE SmartMX, PayPass, MIFARE Classic EV1, MIFARE Ultralight EV1, MIFARE Ultralight C, ... ISO14443 B: Calypso, CEPAS, HID iCLASS, Moneo, ... ISO15693: EM4x33, EM4x35, Tag-it, my-d vicinity, iCODE SLI, M24LR16/64,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



Dimensions 21.5"



Dimensions 23.8"



ARTICLE	PART NO.	DESCRIPTION
MediClient 21.5" Intel® Celeron® 4305UE	2-A1H1-2005	Display 21.5", 1920x1080 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 IEE 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 21.5" 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 IEE 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
MediClient 23.8" Intel® Celeron® 4305UE	2-A1H3-2004	Display 23.8", 1920x1080 FHD, 16:9, anti-glare and anti-fingerprint PCAP-Multiouch, powder coated stainless steel housing, VESA 100, Intel® Celeron® 4305UE (2 Cores, 2M Cache, 2.0 GHz), 8 GByte RAM, 256GB SSD, 4x USB 3.2 Gen 2, 2x GBEth (2 MOOP), 3x RS232/422/485 (2 MOOP), 2x DP++, WiFi IEE 802.11 ac/a/b/g/n and BT 5.1, 24 V DC isolated (+-20 %, 1500 V AC, 1 MOOP, >1,3 mm isolation barrier) Win10 IoT
MediClient 23.8" Intel® Core™ i5-8365UE	2-A1H3-2005	Display 23.8", 1920x1080 FHD, 16:9, anti-glare and anti-fingerprint PCAP-Multiouch, powder coated stainless steel housing, VESA 100, Intel® Core™ i5-8365UE (4 cores, 6M Cache, up to 4.10 GHz), 8 GByte RAM, 256GB SSD, 4x USB 3.2 Gen 2, 2x GBEth (2 MOOP), 3x RS232/422/485 (2 MOOP), 2x DP++, WiFi IEE 802.11 ac/a/b/g/n and BT 5.1, 24V DC isolated (+-20 %, 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	Power connector only
MONITOR STAND	1068-6122	Stainless Steel, heavy duty
POWER CORD EU	840-0059	Schuko (Euro) 2-pin plug, C13, length 2 m



About Kontron

Kontron is a global leader in IoT/Embedded Computing Technology (ECT) and offers individual solutions in the areas of Internet of Things (IoT) and Industry 4.0 through a combined portfolio of hardware, software and services. With its standard and customized products based on highly reliable state-of-the-art technologies, Kontron provides secure and innovative applications for a wide variety of industries. As a result, customers benefit from accelerated time-to-market, lower total cost of ownership, extended product lifecycles and the best fully integrated applications.

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