MLC 5-21”/23” HE
MLC 5-23" UHE

All-in-One High-Performance Medical Panel Computer with 5th Generation Intel® Core™ Processor for Demanding Medical Applications

Features

- All-in-one high-performance medical panel computer with 5th generation Intel® Core™ i7 processor
- 21.5” or 23.8” Full HD display with optically bonded PCAP multi-touch touchscreen and anti-glare coated safety glass for unsurpassed visualization capabilities
- Optional Ultra HD display with optically bonded PCAP touchscreen for applications requiring extreme display resolutions (23.8” only)
- Function keys on the front bezel with reading light / keyboard illumination providing easy functional control with high user comfort
- Fully sealed aluminium housing and fanless design for high hygienic standards with IP65 rated fluid protection, providing easy cleaning and resistance to common medical disinfection procedures
- Versatile I/O interfaces including galvanically isolated options for unrestricted flexibility to meet application requirements



System	
CPU	Quad-core Intel® Core™ i7- 5700EQ 2.6 GHz (Turbo 3.4 GHz)
Chipset	Intel® QM87 Chipset
Graphics	Intel® HD Graphics 5600 (supports up to 2 external displays)
RAM	Up to 16 GB DDR3L 1600MHz
Memory Cache	6MB
Storage	128GB SSD (optional 500GB HDD)
Interfaces	
I/O	2x RS-232, 4kV isolated (up to 4x optional)
	2x Ethernet 10/100/1000Mbit/s, 4kV isolated
	2x USB 2.0 (4kV isolated optional)
	2x USB 3.0
	2x Display Port max. res. 3840x2160, 60Hz
	1x PCIe x16 expansion slot
	Audio Line out / Mic in

Interfaces	
User Interface	9 illuminated keys on the front bezel; available - Standby On/Off - Touch cleaning enable/disable - Panel brightness increase - Panel brightness decrease - Display backlight On/Off - Display keyboard On/Off - Reading light for keyboard illumination On/Off (dimmable) - 2x additional function (customizable)
	5-key membrane keypad on side panel; available functions: - Standby On/Off - Panel brightness increase - Panel brightness decrease - Touch cleaning enable/disable - Call (customisable) additional function

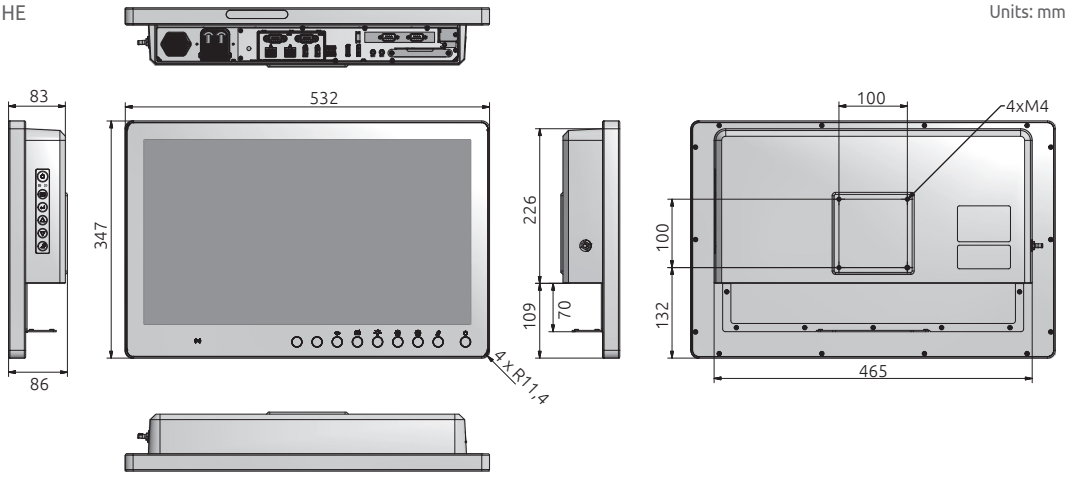
Electrical	
Power	100-240 V ~ 50 / 60 Hz (internal medical grade PSU) or 24 V (via external med. grade PSU)
Display	
TFT Panel	21.5'' / 23.8'' Full HD, 1920x1080 res., 16.7 million colours 23.8'' 4k Ultra HD, 3840x2160 res., 1.07 billion colours
Luminance	250 cd/m²; 310cd/m² (23.8'' Ultra HD version)
Viewing Angle V/H	176°/176° (21.5'') 178°/178° (23.8'')
Mechanical	
Dimensions (WxHxD)	21.5" 532 x 347 x 86 mm / 23.8'' 595 x 390 x 86 mm
Weight (approx.)	21.5'' 9.5 kg / 23.8'' 10.8 kg
Housing	Aluminium powder coated
Mounting	VESA 100

Environmental	
Operating	0°C to +30°C / 5% to 95% rel. humidity (non-condensing)
Storage	-10°C to +60°C / 5% to 95% rel. humidity (non-condensing)
Ingress Rating	IP65 protection from 5-sides (6 sides with cable cover attached)
Certificates	
	IEC 60601-1:2012 EN 60601-1:2006/A11:2011 IEC 60601-1-2:2007/EN 60601-1-2:2007 EN 55022:2010 + AC:2011 EN 61000-3-2:2006 + A1:2009 + A2:2009 EN 61000-3-3:2013 EN 55024:2010 RoHS compliant

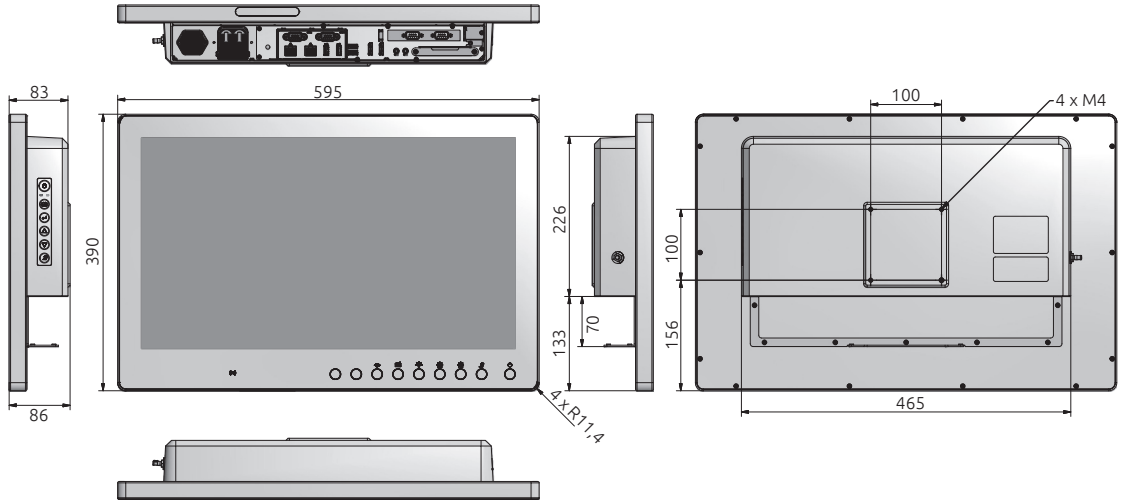
Dimensions

MLC 5-21” HE

Units: mm



MLC 5-23” HE/UHE



Optional Accessories
Windows 7 Prof. 32Bit German
Windows 7 Prof. 64Bit German
Windows 7 Ultim. 32Bit English / multi language
Windows 7 Ultim. 64Bit English / multi language
Operating System Windows® 10 IoT 2016 LTSB (ePKEA)
Option 2x RS-232 (COM3, COM4) with 4kV isolation (2x additional RS-232 ports)
Option WLAN module, including Blutooth functionality
Option PCIe x16 riser card
Option 16GB DDR3 RAM (total capacity)
Option 2x USB 2.0 with 4kV isolation (replacing 2x standard USB 2.0)
Option RFID reader
* For diverse options regarding HDD / SSD mass storage equipment please contact your ADLINK sales representative.

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