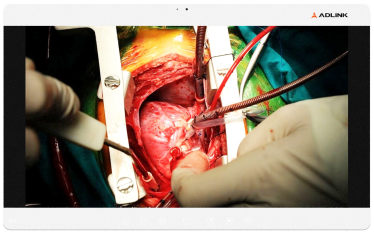
MLC-S Series

Versatile All-in-One Medical Panel Computer Family with 12th/13th Generation Intel® Core™ Processor Performance



Features

- Powerful 12th/13th Gen Intel® Core™ i3 / i5 / i7 / i9 processors
- 21.5''or 23.8'' Full HD display with PCAP multi-touch touchscreen and anti-glare coated safety glass for unsurpassed visualization capabilities
- 7 illuminated soft-touch function keys on the front glass
- Edge-to-edge glass surface and patent pending screwless design allow for easier and faster cleaning and disinfection procedures
- Fully sealed aluminum housing and fan less design for high hygienic standards with IP54 rated ingress protection and anti-bacterial treatment
- PCIe x16 internal expansion slots for storage, networking and processing cards

MLC-S Series

System		
CPU	12th/13th Gen. Intel® Core™ i3, i5, i7, i9 processor	
RAM	Up to 64GB DDR5 4800	
Storage	M.2 2280 NVMe and 2.5"SATA SSD/HDD options*	
Front Camera	FHD resolution (1920X1080)	
Audio Input	1x digital microphone	
Interfaces		
Standard I/O	Graphics Output	2x DisplayPort 1.2
	LAN	1x 10/100/1000 Mb/s, 4kV isolated 1x 10/100/1000/2500 Mb/s, non-isolated
	USB	3x USB 3.2 Gen 1 1x USB 3.2 Gen 1 for type-C + 2x USB 2.0
	Audio	1x speaker and 1x combo jack
	Serial	None
Options	USB	2x USB 2.0, 4kV isolated
	Serial	Up to 6x RS232, up to 4kV (2.5kV or 4kV)
	Wi-Fi/BT	Yes
	RFID Reader	Yes
	Operation Modes	Horizontal and vertical
Expansion Slots	M.2	1x 2230 (PCIe x2 and USB 2.0) 1x 2280 (PCIe x4)
	Mini PCIe	1x (PCIe x1 and USB 2.0)
	PCIe	1x (PCIe x16 Gen 4)
Touch Keys	Standard power on/off	1x
	Touch cleaning enable/disable	1x
	Panel brightness increase	1x
	Panel brightness decrease	1x
	Keyboard on/off	1x
	Customizable function key	2x

Electrical	
Power	100-240V~5A 47-63Hz (internal medical-grade PSU) or 24V DC (external medical-grade PSU)
Display	
TFT Panel	21.5" / 23.8" Full HD 1920 x 1080 res., 16.7M colors
Panel Luminance	21.5" with 500 cd/m^2 (LCD typ.); 23.8" with 600 cd/m^2 (LCD typ.)
Viewing Angle	V/H: 89°/89°
Mechanical	
Dimensions	Refer to the back of this page
Weight	21.5": 8.9 kg; 23.8": 10.2 kg (approx.)
Housing	Aluminum powder-coated, anti-bacterial
Mounting	VESA 100
Environmental	
Operating	0°C to +35°C / 5% to 95% rel. humidity (non-condensing)
Storage	0°C to +60°C, 5% to 95% rel. humidity (non-condensing)
Ingress Rating	Water- and dust-proof front unit, IP54 for entire device

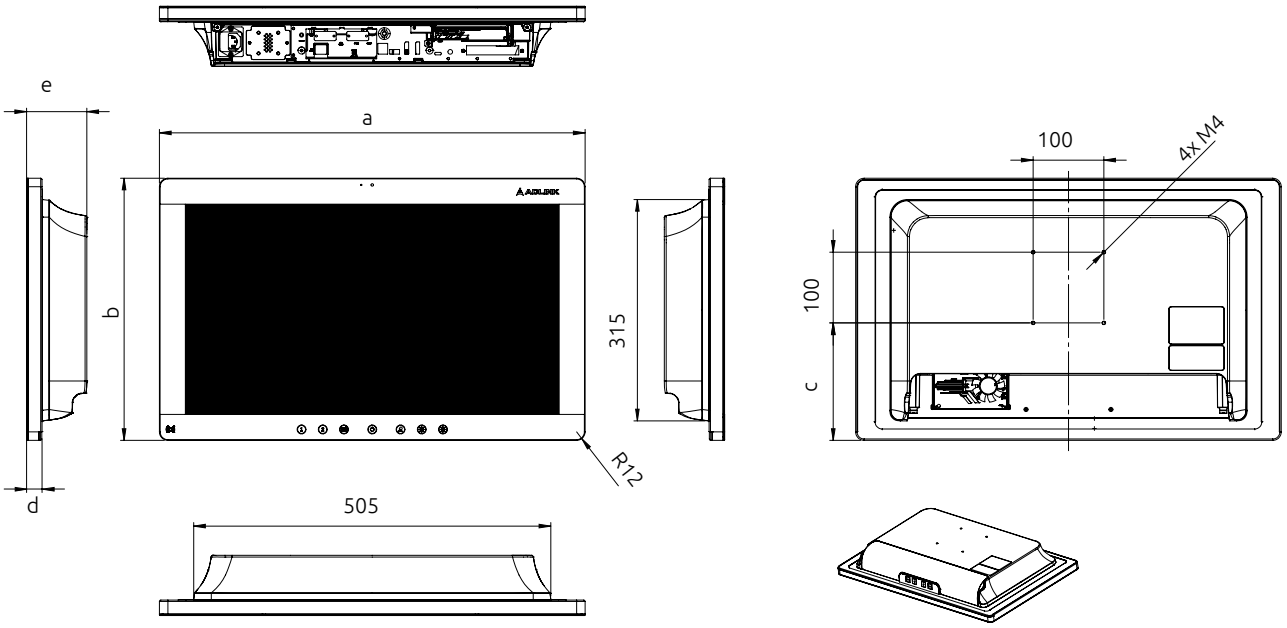
Standard	Certifications (CB certified)	Applied standards or safety mark(s)
	Safety Medical devices	IEC 60601-1:2005 +A1:2012 +A2:2020 (ed. 3.2) EN 60601-1:2006 +A1:2013 +A12:2014 +A2:2021
	EMC Medical devices	IEC 60601-1-2:2014 +A1:2020 (ed. 4.1) EN 60601-1-2:2015 +A1:2021
	Safety IT/AV devices	IEC 62368-1 ed. 2.0 & 3.0
	EMC IT/AV devices	CISPR 32/EN 55032:2015 +A11:2020 emission CISPR 35/EN 55035:2017 +A11:2020 immunity
	International	CE, FCC Part 15B, UL (E239251), NRTL

LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

Dimensions

MLC-S Series

Units: mm



Dimensions (mm)					
Sizes (inch)	a	b	c	d	e
21.5	551	342	152	22	85
23.8	602	371	166	22	85

Ordering Information

MLC-S12-21	21.5” Full HD Display with 10-point multitouch, Intel® Core™ i5-12500TE, 8GB RAM, 128GB SSD
MLC-S12-23	23.8” Full HD Display with 10-point multitouch, Intel® Core™ i5-12500TE, 8GB RAM, 128GB SSD

Options

12th Gen Processors	Intel® Core™ i3-12100TE / i5-12500TE / i7-12700TE / i9-12900TE
13th Gen Processors	Intel® Core™ i3-13100TE / i5-13500TE / i7-13700TE / i9-13900TE
DDR5-16	16GB RAM (total capacity)
DDR5-32	32GB RAM (total capacity)
DDR5-64	64GB RAM (total capacity)
Optional Items	RFID Reader
Wi-Fi/BT Module	WLAN module, including Bluetooth functionality
DC Kit	24V DC Input instead of integrated AC power supply
Operating System	Windows 10 IoT Enterprise LTSC 2021, Windows 11 IoT LTSC 24H2

*For HDD and SSD storage options, please contact your ADLINK sales representative.

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