MLC-M Series

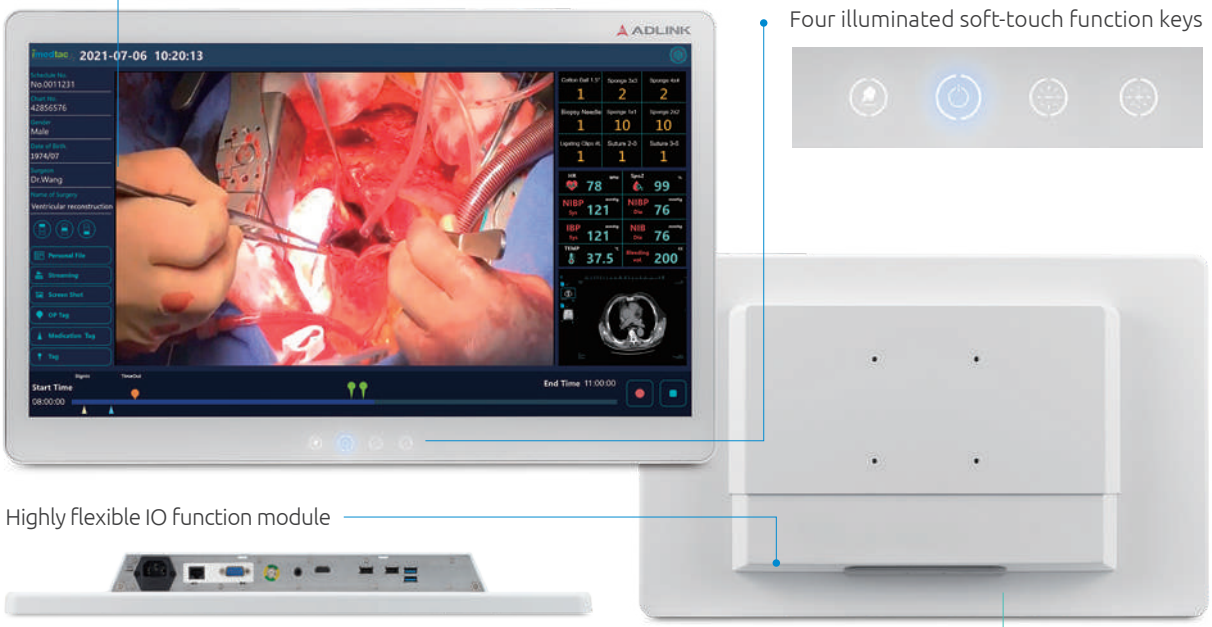
Versatile Medical Panel Computer

The MLC-M is ideal for use as a central control system or a patient status console and for running high performance image processing software as well as hospital applications such as HIS, RIS, PDMS, and documentation software.

Powerful and Thoughtful Design

Increase productivity for medical personnel

- 11th gen Intel® Core™ processor
- PCAP multi-touch touchscreen



Increased Safety

Protect life and enhance reliability

- IEC 62368-1:2014; EN 62368-1:2014+A11:2017
- Compliant with IEC 60601-1 Ed. 3.1 & IEC 60601-1-2: 2014+AMD1: 2020, EN 60601-1-2: 2015+A1: 2021

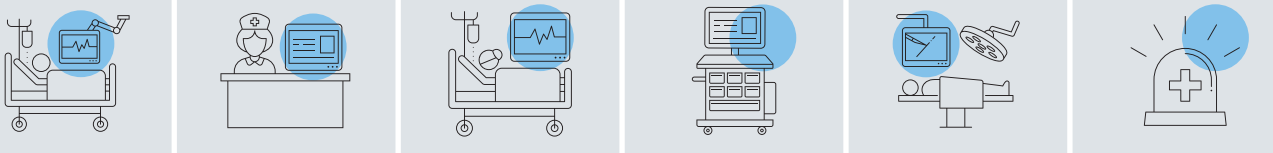
Hygienic Design

Easy to clean and disinfect

- Fully sealed, screwless aluminum housing
- Fanless cooling
- IP54 protection
- Antibacterial coating

Where Can It Be Used?

The MLC-M series medical panel computer is suitable for operating rooms (OR), intensive care units (ICU), emergency rooms (ER), and nursing stations. Moreover, it can be easily integrated with medical carts and bedside to provide zero-distance care.



Bedside | Nursing Station | Intensive Care Unit | Medical Cart | Operation Room | Emergency Room

Model Name		MLC-M Series	
			
Computing System	CPU	11th Gen. Intel® Core™ i3, i5 or i7 ULV Processor	
	Memory	up to 64 GB DDR4 3200	
Display Characteristics	Size	21.5”	23.8”
	Resolution	1920 x 1080, Full HD	
	LCD Luminance	250 cd/m²	400 cd/m²
Storage	SSD	M.2 SSD and SATA SSD/HDD options*	
Standard I/O	Graphics Output	1x HDMI	
	LAN	1x Ethernet 10/100/1000 Mbit/s, 4 kV isolated	
	USB	2x USB 2.0, 2x USB 3.1	
	Audio	1x Headphone jack	
	Serial	1x RS232 4kV Isolated	
Options	Graphics Output	1x DisplayPort	
	USB	2x USB 3.1 *2	
	Serial	none	
	WiFi/BT	yes	
	RFID Reader	none	
	UPS	none	
	Operation Modes	Horizontal	
Expansion Slots	M.2	1x 2230	
	Mini PCIe	1x	
	PCIe	none	
Power		100-240V ~ 50/60 Hz (internal medical- grade PSU) or 12V DC (external medical-grade PSU)	
Mechanical	Dimensions/ Weight	520 x 335 x 61 (mm)/ 6.9 kg	570 x 364 x 61 (mm)/ 7.9 kg
	Chassis	Aluminum, powder-coated, anti-bacterial	
	Ingress Protection	IP54 protection with rear cable cover attached	
Regulatory	Mounting	VESA 100	
	Classification	N/A	
	Certifications	IEC 62368-1:2014; EN 62368-1:2014+A11:2017 IEC 60601-1 Ed. 3.1 & IEC 60601-1-2:2014+AMD1:2020, EN 60601-1-2: 2015+A1: 2021	
Application Examples		Control and monitoring device for medical systems, patient and image data acquisition and processing, patient and procedure monitoring, multimodality image display	

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