ADLINK
Leading EDGE COMPUTING



HEALTHCARE TECHNOLOGIES

Hygienic Design Solutions for the Healthcare Sector

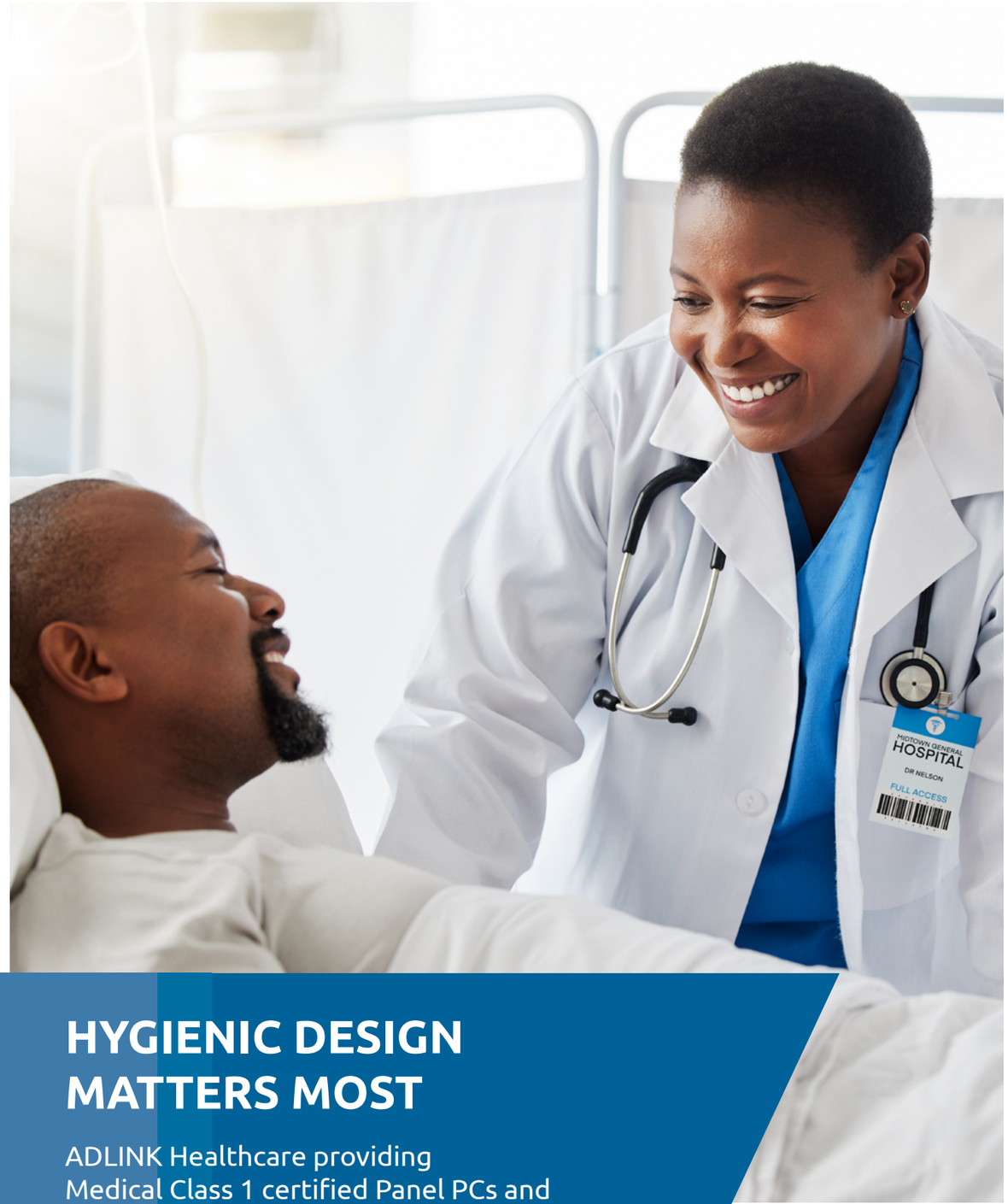
Medical Panel PCs, Medical Displays, Medical Box PCs

From standard products to highly configurable systems

Product Catalogue 2024

Hygienic design for a safe environment

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



HYGIENIC DESIGN MATTERS MOST

ADLINK Healthcare providing
Medical Class 1 certified Panel PCs and
Displays for the safety of patients and staff

Visit our website for up-to-date information
www.adlinktech.com/en/certified-medical-device

Solutions developed and designed for your needs

Technology for Critical Care Environments

ADLINK medically certified devices are developed for use in operating theaters, intensive care units, emergency and recovery rooms. They support the highest possible standards of patient care and deliver maximum hygiene. Design features which help to protect against dust and liquid intrusion together with ease of disinfection reduce the risk of smear infections – and therefore speed up turnaround time and operating theater preparation.

Medical Panel PCs

Medically certified, all-in-one PCs designed to streamline patient care by supporting vital sign monitoring, nursing care, clinical diagnosis, PACS, anesthesia monitoring and operating room documentation. The fully sealed, screwless housings can be cleaned with wet disinfection.
Page 4 - 9

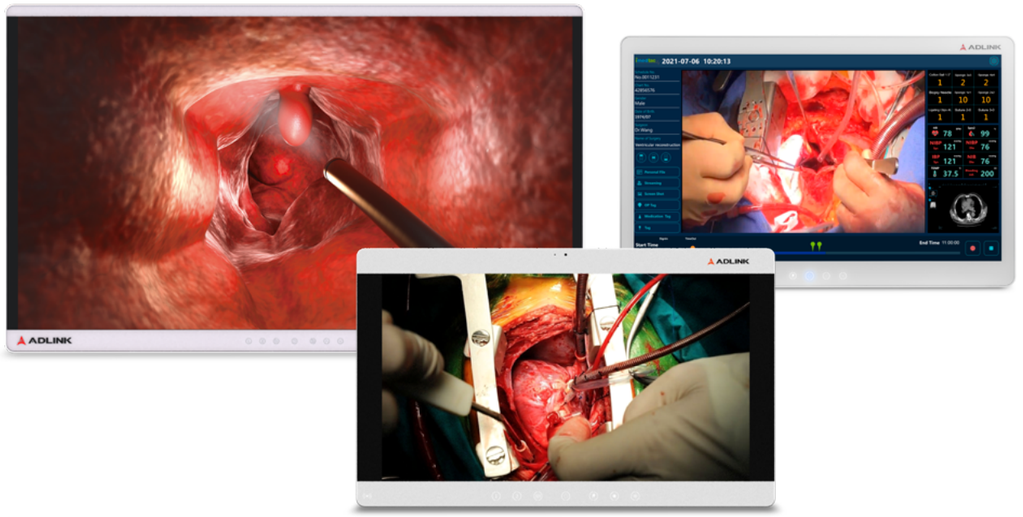
Medical Monitors

Medically certified, Full HD and Ultra HD surgical displays, the ASM series delivers unbeatable color accuracy to support medical personnel. Factory calibrated for precise color output with pure white protection glass to eliminate color shift. The fully sealed, screwless housings can be cleaned with wet disinfection, ensuring superior hygiene standards in pathogen-sensitive environments. The entire units are uniquely certified as complying with the IP54 Ingress Protection standard.
Page 10-11

Medical Box PCs

The medical box PC is a healthcare IT device tested according to the IEC 60601 standards for safety and performance of medical equipment. It features ADLINK's MXM Graphics Module supporting NVIDIA GPU, ensuring the acceleration of image reconstruction and video processing and moreover, significantly reducing data transmission delay, lowering latency and enhancing image quality with AI to assist doctors in detecting diseases or other anomalies.
Page 12-15





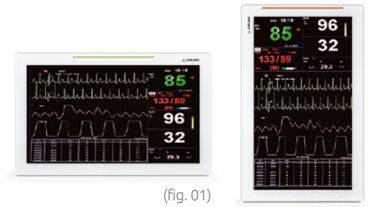
ADLINK HEALTHCARE
TECHNOLOGY FOR BETTER PATIENT CARE

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

Medical Class I Panel PC
MLC 8 Series

The EU MDR class I certified MLC 8 offers hygienic design, superb performance, and configuration versatility tailored to meet application requirements for better patient care.





(fig. 01)

- Optionial UPS-backup battery for data loss prevention



- Designed with extensive I/O flexibility and two Display Port outputs
- 4 internal slots for additional storage media, frame grabbers, Wi-Fi/ Bluetooth and RFID modules as well as PCI Express expansion cards to ensure mobility and flexibility

The MLC 8 is used, for example, for patient vital signs monitoring, in anesthesia documentation, for clinical diagnostic support, and PDMS systems.

Hygienic Design

Easy to clean and disinfect

- Completely sealed, screwless aluminum housing with IP54 protection
- Touch control buttons on the edge-to-edge protective glass

Increased Safety

Protect life and enhance reliability

- EU MDR class 1 certified
- Meets standards IEC 60601-1:2012 & EN 60601-1:2013
- Meets standards IEC 60601-1-2:2014 & EN 60601-1-2:2015
- Optional galvanically isolated USB and serial interfaces

High Functionality and Flexibility

Tailored to meet application requirements

- Multiple Full HD display sizes with PCAP multi-touch functionality
- Supports both landscape and portrait modes with a programmable LED light bar (fig. 01)
- Anti-glare coating for increased viewing capability (fig. 02)
- Optical bonding to prevent condensation, reduce reflections and increase durability (fig. 03)

(fig. 02)

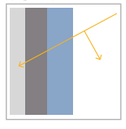


ADLINK Anti-Glare Coating

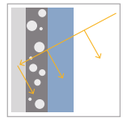


Without Anti-Glare Coating

(fig. 03)



ADLINK Panel Glass with optical Bonding



Panel Glass with Gap, without optical Bonding

Best for

Operation Room · Intensive Care Unit · Emergency Room · C-Arm · Medical Cart · Surgical Navigation system · Ultrasound · Nursing Station

COMING SOON

Versatile All-in-One Medical Panel PC Family
MLC-S Series

The next generation of medical panel PCs expands the MLC series with a range of new and powerful features based on the latest technology for medical IT tasks in hygiene-sensitive environments such as operating rooms.



Outstanding performance

- Latest Intel® processor generation
- Thunderbolt™ 4.0 USB-C Port
- One 2.5 Gb/s LAN-Port



The new MLC- S series enable OEMs/ODMs, hospitals and hospital planners and resellers to expand their range of offerings with high-performance medical devices.

For further informations
Visit www.adlinktech.com/en/medical-panel-computer

or call our sales representative
+49 991 29 094 10

High staff and user friendliness

- Brighter displays
- Less weight
- Fully sealed housing

Increased Safety

Protect life and enhance reliability

- EU MDR class 1 certified
- Liquid and dust proof front unit and IP54 device certification
- Meets standards
  Medical Grade CB: IEC 60601-1:2012 & EN 60601-1:2013 (Safety ed.3.1)
- Medical Grade EMC: IEC 60601-1-2:2014 & EN60601-1-2:2015 (EMC 4th ed.)
- ITE Grade EMC EN 55032, EN55035
- Worldwide CE,FCC,UL, BSMI, PSE

High Performance Connectivity and Image Quality

Easy integration into larger medical systems

- 12th Generation Intel® Core™ i3/i5/i7/i9 processors
- 21.5" or 23.9" Full HD Display with PCAP multi-touch touchscreen and anti-glare coated safety glass for unsurpassed visualiziation capabilities
- LAN, USB and serial port connectivity with optional port isolation for installations in mixed environments (2 MOPP)
- Internal PCIe, M.2 and mini PCIe expansion slots for storage, networking and processing cards
- Integrated webcam, microphone and speakers

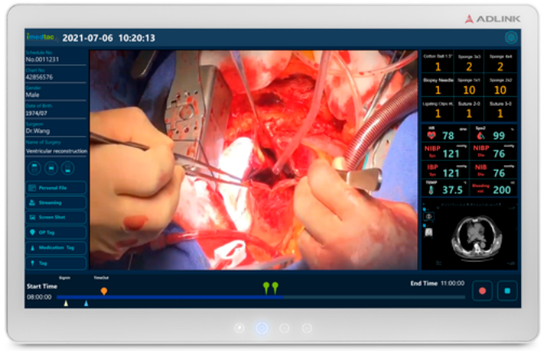


MLC-S Series : COMING SOON

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

Medical Panel PC
MLC-M Series

The MLC-M is ideal for use as a central control system or a patient status console and for running hospital applications such as HIS, RIS, PDMS, and documentation software. Its slim and lightweight design makes it suitable for mobile applications, e.g. on trolleys.








optional I/O Module

Hygienic Design
Easy to clean and disinfect

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

Increased Safety
Protect life and enhance reliability

- Meet standards
  IEC 62368-1:2014; EN 62368-1: 2014+A11:2017
- Tested according IEC/EN 60601 standards for safety and EMC
- Galvanically isolated Ethernet and serial ports

Powerful and Thoughtful Design
Increase productivity for medical personnal

- 11th gen Intel® Core™ processor
- PCAP multi-touch touchscreen
- Highly flexible I/O function module
- Four illuminated soft-touch function keys
- Versatility with different CPU, RAM and SSD options



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

Best for



Medical Panel PC
MLC-AL/MLC-KL Series

The MLC-AL/MLC-KL panel PC is a cost-efficient solution when space is limited. MLC-AL/MLC-KL features hygienic design, clear image, and functionalities to meet application requirements for better patient care.





Hygienic Design
Easy to clean and disinfect

- Completely sealed, screwless aluminum housing
- Edge-to-edge protective glass

Increased Safety
Protect life and enhance reliability

- Meet standards
  IEC 62368-1:2014; EN 62368-1: 2014+A11:2017
- Tested according IEC/EN 60601 standards for safety and EMC
- Galvanically isolated Ethernet and serial ports

Clear Image & High Flexibility
Increase productivity for medical personnel

- 13.3" / 15.6" Full HD display with PCAP multi-touch functionality
- Excellent visualization on anti-glare coated safety glass
- Optional soft-touch OSD buttons and LED status bar for the 15.6“ MLC-AL/MLC-KL

The MLC-AL and MLC-KL help streamline patient care by supporting a range of systems from mobile X-rays and ventilators to blood and tissue analysis and vital sign monitoring. Information from different sources can be aggregated and visualized to manage, for example, operating theater videos, inventories, and documentation.

ADLINK MLC Series
Designed for your needs

For further informations
Visit www.adlinktech.com/en/medical-panel-computer

Best for



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

Model Name		MLC 8 Series	MLC-M Series	MLC-AL/KL Series
				
Computing System	CPU	Intel® Core™ i3, i5 or i7, 8th Gen.	11th Gen. Intel® Core™ i3, i5 or i7 ULV Processor	Intel® Atom x5-3930/ Core™ i3 7100U
	Graphics	Intel® UHD Graphics 630	Intel® Iris® Xe Graphics	Intel® HD Graphics 500/620
	Memory	up to 64 GB DDR4L	up to 64 GB DDR4 3200	up to 8 GB DDR3L
Display Characteristics	Size	21.5" / 23.8" / 27"	21.5" / 23.8"	13.3" / 15.6"
	Resolution	1920 x 1080, Full HD		
	Viewing Angle	178° horizontal / 178° vertical		
	LCD Luminance	250 - 600 cd/m²		
Storage	SSD*	1x M.2 and 1x 2.5" SATA, selectable	M.2 SSD and SATA SSD/HDD options	1x M.2 up to 128GB
Standard I/O	Graphics Output	2x DisplayPort 1.2	1x HDMI	HDMI 1.4
	LAN	2x 10/100/1000 Mb/s, 4kV isolated	1x Ethernet 10/100/1000 Mbit/s, 4 kV isolated	1x 10/100/1000 Mb/s, 4kV isolated
	USB	4x USB 3.0	2x USB 2.0, 2x USB 3.1	1x USB 2.0 and 1x USB 3.0
	Audio	1x Speaker and 1x Mic-In	1x Headphone jack	1x Speaker and 1x Line-In
	Serial	none	1x RS232 4kV Isolated	1x RS232/422/485, 4kV isolated
Options	USB	2x USB 2.0, 4kV isolated	2x USB 3.1	none
	Serial	up to 6x RS232, 4kV isolated	none	
	WiFi/BT	yes	yes	
	RFID Reader	yes	none	
	UPS	battery backup for safe shutdown	none	
	Operation Modes	horizontal and vertical	horizontal	horizontal
Expansion Slots	M.2	1x 2230 and 1x 2280	1x 2230	optional 1x 2280
	Mini PCIe	1x	1x	none
	PCIe	1x	none	none
Power		100-240V ~ 50/60 Hz (internal medical- grade PSU) or 24V DC (external medical-grade PSU)	100-240V ~ 50/60 Hz (internal medical- grade PSU) or 12V DC (external medical-grade PSU)	9 - 36 VDC with external medical grade power supply
Mechanical	Dimensions/ Weight	21.5": 551 x 342 x 86 (mm) / 10 kg 23.8": 602 x 371 x 86 (mm) / 11.4 kg 27": 673 x 412 x 96 (mm) / 12.3 kg	21.5": 520 x 335 x 61 (mm)/ 6.9 kg 23.8": 570 x 364 x 61 (mm)/ 7.9 kg	13.3": 352 x 224 x 57 (mm) / 3.2 kg 15.6": 399 x 263 x 71 (mm) / 4.3 kg
	Chassis	Aluminum, powder-coated, anti-bacterial		
	Ingress Protection	Water- and dust-proof front unit, IP54 for entire device	Water- and dust-proof front unit, IP54 for entire device	Water- and dust-proof front unit, IPX0 for entire device
Regulatory	Mounting	VESA 100		
	Classification	Class I (acc. MDR 2017/745 EU, annex VIII)	N/A	N/A
	Certifications	IEC60601-1:2012 & EN60601-1:2013 (Safety ed. 3.1) IEC60601-1-2:2014 & EN60601-1-2:2015 (EMC 4th edition) 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	Control and monitoring device for medical systems, patient and image data acquisition and processing, patient and procedure monitoring, multimodality image display	Control and monitoring device for medical systems, patient and image data acquisition and processing, patient and procedure monitoring, multi-modality image display

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

Model Name		NEW MLC-S12-21	NEW MLC-S12-23
			
Computing System	CPU	Intel® Core™ i3, i5, i7, i9 - 12th generation desktop CPU (35W)	
	Graphics	Intel® UHD Graphics 770	
	Memory	up to 64GB DDR5 4800	
Display Characteristics	Size	21.5"	23.8"
	Resolution	1920 x 1080, Full HD	
	Viewing Angle	178° horizontal / 178° vertical	
	LCD Luminance cd/m²	500	625
Storage	SSD*	1x M.2 NVMe and 1x 2.5" SATA storage (size selectable)	
Standard I/O	Graphics Output	2x DisplayPort 1.4a	
	LAN	1x 2.5 GbE/1000/100/10 Mb/s and 1x 10/100/1000 Mb/s, 4KV isolated	
	USB	3x USB 3.2 Gen 1x1 and 2x USB 2.0 type A 1x USB type C with Thunderbolt™ 4 and USB 3.2 Gen 2x1 support	
	Audio	1x Headphone-out and 1x Mic-in	
		Integrated Webcam with microphone and speakers	
Optional I/O	USB / Serial	4kV isolation (2 MOPP) of the 2x USB 2.0 ports Up to 6x RS232/422/485 Sub-DB9 UART-ports 4kV isolated (2 MOPP)	
	WiFi/BT	Intel® Wi-Fi 6E AX210(Gig+) (802.11ax) / Bluetooth® 5.2	
	RFID	yes	
Expansion Slots	PCIe	1x full-size slot x16	
	M.2	1x M.2 1630/2230 (Key E) for Wi-Fi 1x M.2 2280 (Key M PCIe x4) (with NVMe SSD support)	
	mini PCIe	1x full-size slot x1 with USB 2.0	
Power		100-240V AC or 24V DC with external medical grade power supply	
Mechanical	Dimensions WxDxH (mm)	551 x 342 x 85	620 x 371 x 85
	Weight (kg)	9.05	10.35
	Chassis	Anti-bacterial powder-coated aluminium and safety front glass	
	Ingress Protection	Liquid and dust-proof front unit, IP54 for entire system	
	Mounting	VESA 100	
Regulatory	Classification	Class I (acc. MDR 2017/745 EU, annex VIII)	
	Certifications	IEC/EN 60601-1 and 60601-1-2 latest editions IEC 62368-1:2018 (ed. 3.0) CISPR 32/EN 55032 and CISPR 35/EN 55035 latest editions CE, FCC, UL, BSMI, PSE, NRTL	
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.

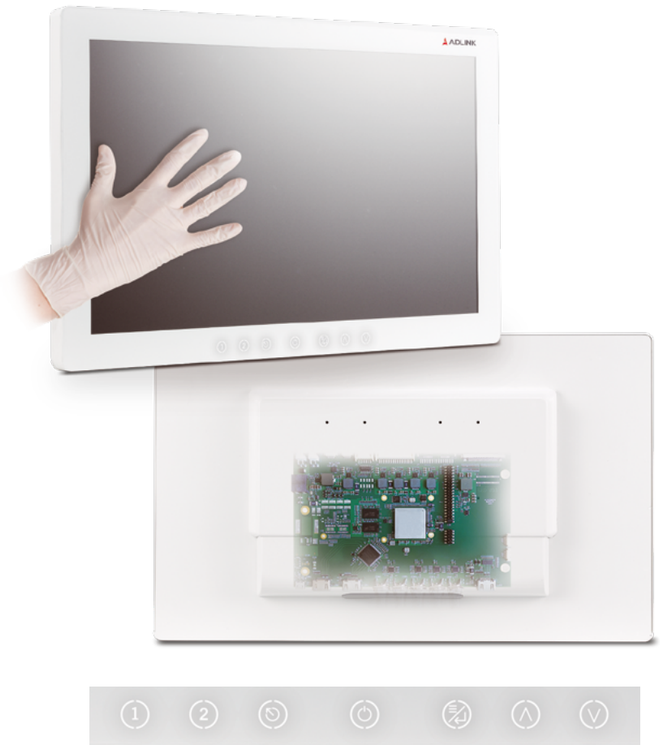
COMING SOON

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

Medical Class I Surgical Monitor

ASM Series

Clinical imaging modalities are essential tools in the healthcare arena and are mandatory within the surgical field. It is similarly important for physicians to see pristine images in high quality as it is for the safety that the medical devices offer a maximum in terms of hygiene. The EU MDR class I certified ASM Series offers hygienic design and pristine images for better patient examinations and treatment.



Hygienic Design

Easy to clean and disinfect

- Completely sealed, screwless aluminum housing with IP54 protection
- Touch control buttons on the edge-to-edge white glass

Increased Safety

Protect life and enhance reliability

- EU MDR class 1 certified
- Meets IEC/EN 60601 standards with national deviations

Clear, Accurate Image Quality & High Functionalities

Increase productivity for medical personnel

- Multi-signal and multi-format Intel FPGA-based image processing and color reproduction
- Excellent visualization of colors and grayscales
- 23.8"- 55" Full HD/Ultra HD display with optional PCAP multi-touch functionality
- Programmable buttons on the edge-to-edge AG etched protective front glass to quickly access most commonly used functions with a single click

The ASM is used to visualize videos and still images from a variety of medical imaging modalities such as endoscopic cameras, fluoroscopes, microscopes, and ultrasound devices, in examination and procedure rooms.

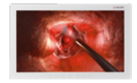
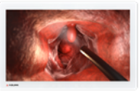
ADLINK ASM Series
Outstanding Surgical Monitors

For further informations
visit www.adlinktech.com/en/Medical_Monitor

Best for

Operation Room | Intensive Care Unit | Emergency Room | Examination Room

NEW

Model name		ASM 24FHB/27FHB/27UHB	ASM 32U/32UHB	ASM 43UHB	ASM 55UHB
					
Display Characteristics	Size	23.8"/27"	31.5"/32"	43"	55"
	Resolution	1920 x 1080 or 3840 x 2160	3840 x 2160	3840 x 2160	
	Max. Colors	16.7M/1.07B	1.07B	1.07B	
	Viewing Angle	178° horizontal / 178° vertical			
	Max. LCD Luminance (cd/m²)	625/900/800	400/700	700	
	Touch	optional	optional/-	-	
Input	DVI-I	1x/1x/-	-	-	
	HDMI 1.2	1x/1x/-	-	-	
	HDMI 2.0	-/-/2x	2x	2x	
	3G-SDI	2x	2x	-	
	12/6/3G-SDI	-/-/2x	2x	2x	
	S-Video	1x/1x/-	-	-	
	DP 1.2	-	-	1x	
Output	HDMI 2.0 Out	-/-/1x	1x	2x	
	12/6/3G SDI Out	-/-/1x	1x	1x	
	DP 1.2 Out	-	-	1x	
I/O Ports	LAN/RS232	Optional		1x	
	USB 2.0 Down A	1x	1x	1x	
	USB 2.0 Up B	1x	1x	1x	
	5V/1A Out	1x	1x	1x	
	Calibration	1x	1x	1x	
Power		24 V DC with external medical PSU			
Environmental	Operating	0°C to +30°C / 5% to 90% rel. humidity (non-condensing)		0°C to +40°C / 5% to 90% rel. humidity (non-condensing)	
	Storage	-20°C to 60°C / 5% to 90% rel. humidity (non-condensing)			
Mechanical	Dimensions (mm)	602 x 371 x 67 673 x 415 x 78	785 x 475 x 79	992 x 600 x 74	1264 x 760 x 88
	Weight (kg)	9.5/12.4	14.7	19.8	approx. 38
	Design	Aluminum, powder-coated, anti-bacterial housing		E2E glass surface, coated AR glass	
	Ingress Rating	IP54		IP33	TBD
	Mounting	VESA 100 x 100 and 200 x 100		VESA 300 x 300 and 400 x 400	VESA 400 x 200
Certifications		IEC 60601-1:2005, IEC 60601-1:2005/AMD1:2012 IEC 60601-1-6:2010, IEC 60601-1-6:2010/AMD1:2013			

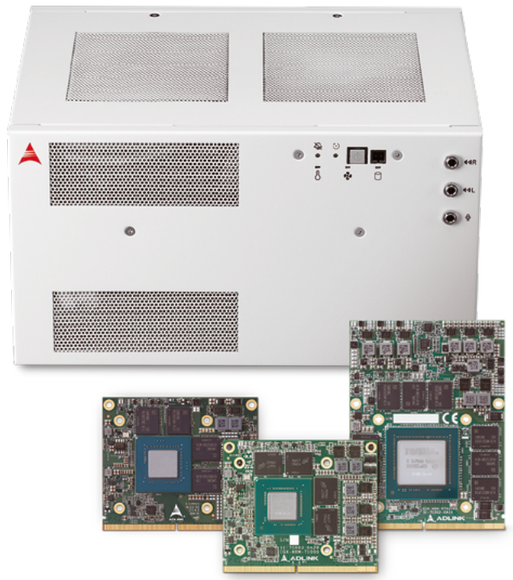
*Not all products are approved or offered in every market and (approved) labeling and instructions may vary from one country to another.
For country specific product information, contact your local ADLINK representative. Specifications are subject to change without notice.

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

Medical standard tested Box PC

MLB Series

The medical PC is equipped with MXM graphics module supporting NVIDIA® RTX™ GPU with 8th/9th Generation Intel® Core™ i7/i5/i3 in LGA1151 Socket.



Increased Safety

Protect life and enhance reliability

- Tested according to IEC/EN 60601-1 and 60601-1-2 latest editions
- Meets standards : IEC 62368-1:2018 (ed. 3.0), CISPR 32/EN 55032 and CISPR 35/EN 55035 latest editions CE, FCC, UL, BSMI, PSE, NRTL

High Quality ultra-fast image reconstruction

Bringing better healthcare to people

- ADLINK's MXM graphics module supporting NVIDIA® RTX™ GPU:
  - EGX-MXM-T1000
  - EGX-MXM-RTX3000
  - EGX-MXM-A1000
  - EGX-MXM-A2000
  - EGX-MXM-A4500

NVIDIA RTX

The MLB-3000 medical-standard-tested platform is designed for embedding in medical devices such as C-arm, CT, MRI, ultrasound, X-ray and surgical navigation systems performing real-time edge computing and rapid diagnostic test at the point of care.



ADLINK MLB Series

Superior image reconstruction

For further informations
visit www.adlinktech.com/en/medical-box-pc

Best for



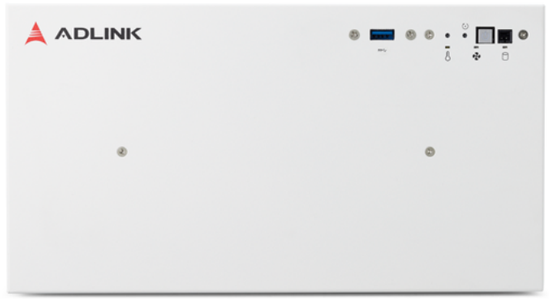
NEW

Medical standard tested GPU / AI platform

MLB-3100 & MLB-3102

The MLB Box PCs offer outstanding computing power per volume and can be equipped with a wide range of ADLINKs MXM GPU cards. Integrated into medical systems the MLB Box PCs manage complex video processing tasks, perform control functions or real-time computing for AI processes.





AI Plattform

- Powerful inferencing capability
- Accelerates AI-assisted detection and guidance
- Fast I/O for superb data transmission performance
- Selectable GPU power

Compact Design

- Vent less front and top cover
- Small dimensions for space-limited OR environment
- Product longevity guaranteed
- Expandable platform

Increased Safety

Protect life and enhance reliability

- IT device for medical use
- Tested according to IEC 60601 standard

ADLINK can tailor and customize these systems to the application needs of medical device OEMs.

High Performance Connectivity and Image Quality

Easy integration into larger medical systems

- MLB31xx series with 12th/13th/14th Gen Intel® Core™ chipset
- Up to 6 DP ports with ADLINK MXM card installed
- 2 PCIe slots (MLB3xx2 versions)
- External medical grade power supply
- MLB31xx with Thunderbolt™ 4 interface (only for 12th Gen Intel Core processors)
- IT product tested according to medical standards





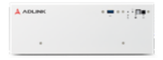
For further informations
visit www.adlinktech.com/en/medical-box-pc

Best for



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

Model Name		MLB-3000	MLB-3002
			
MXM Support		EGX-MXM-T1000 EGX-MXM-RTX3000	EGX-MXM-A1000 EGX-MXM-A2000 EGX-MXM-A4500
Processor		Intel® Core™ from i3 to i7 of 8th gen and 9th gen, 35W and 65W plus Celeron®	
Chipset		Intel® Q370 Chipset	
Memory		Non-ECC DDR4 2666/2400MHz, 2x SO-DIMM, up to 64GB (dependent on CPU)	
I/O Interfaces	Graphics Output	6x DisplayPort (2 from CPU, 4 from MXM)	
	LAN	1x GbE (Intel® i219-LM), 3x GbE (Intel® i210-AT)	
	Serial Ports	1x RS-232/422/485, 1x RS-232	
	USB	4x USB 3.2 Gen1 x1 ports, 4x USB 2.0 ports	6x USB 3.2 Gen1x1 ports, 2x USB 2.0 ports
	M.2	1x M.2 E key supporting 1630 or 2230 for Wi-Fi/Bluetooth module, 1x M.2 B key supporting 2242 or 2280 for SATA storage module 1x M.2 M key supporting 2242 or 2280 for SATA/PCIe x4 storage module	
	Digital IO	default: w/o DIO option: 1x DI/DO with 4 in, 4 out Note: Optional DIO, Audio and TPM 2.0 must be chosen together.	
	Audio	Default: w/o Audio Option 1: Mic-in, Line-out, Line-in Option 2: Mic-in, L/R speaker-out (6W + 6W) Option 3: Line-in, L/R speaker-out (6W + 6W)	MIC-IN/LINE-IN and Speaker out
	TPM 2.0	Default: w/o TPM, optional TPM	
	Expansion Slots	N/A	2x PCIe Gen3 x4 expansion slot for full-height half-length add on card, each slot has 25W power budget and additional Molex 4 pin power cable (12V/1.5A and 5V/2A) support
Storage	SATA	2x 2.5" SATA 6Gb/s external drive bays 1x SATA 6Gb/s signal via M.2 B key connector	2x SATA 6Gb/s, one SATA power connector 2x SATA 6Gb/s signals via M.2 M & B key connector Intel® RST RAID Support
Mechanical	Dimensions	235 x 182 x 75mm (W x D x H, without foot pads)	235 x 182 x 130mm (W x D x H, without foot pads)
	Mounting	Optional	
Power Supply	DC Input	DC 12V input (Molex DC-in jack)	
	AC Input	220W (12V/18.34A) AC/DC medical grade power supply	
Environmental	Operating Temperature	0°C to 40°C	
	Storage Temperature	-20°C to 70°C	
	Humidity	5% to 95%, non-condensing	
	Vibration	Operating vibration: 2Grms, 5-500Hz, 3 axes, Package(NON-OP) vibration: 3.44Grms, 10-1000Hz, 3 axes (W/MXM, W/SSD)	
	EMC	EN55032/35, CE, FCC	
	Safety	UL/cUL and CB (62368-1:2014)	
	Medical Grade	Tested according to IEC/EN 60601-1 and 60601-1-2 latest editions IEC 62368-1:2018 (ed. 3.0)	

Model Name		MLB-3100	MLB-3102
			
MXM Support		EGX-MXM-A1000 EGX-MXM-A2000 EGX-MXM-A4500	MXM-AXe-A350M MXM-AXe-A370M
Processor		Intel® Core™ i9-12900E, 5.0GHz, 14M Cache, 65W TDP, LGA1700, DDR5 4800MHz support Intel® Core™ i7-12700E, 3.6GHz, 12M Cache, 65W TDP, LGA1700, DDR5 4800MHz support Intel® Core™ i5-12500E, 3.0GHz, 7.5M Cache, 65W TDP, LGA1700, DDR5 4800MHz support Intel® Core™ i3-12100E, 3.2GHz, 5M Cache, 60W TDP, LGA1700, DDR5 4800MHz support	
Chipset		Intel® Q670E Chipset	
Memory		Non-ECC DDR5 4800MHz, 2x SO-DIMM, up to 64GB	
I/O Interfaces	Graphics Output	1x HDMI 2.0, 5x DisplayPort (1 from CPU, 4 from MXM)	
	LAN	2x 2.5GbE (Intel® I225-LM)	
	Serial Ports	1x RS-232/422/485, 1x RS-232	
	USB	[Front] 1x USB 3.2 Gen 2 Type A [Rear] 2x USB 3.2 Gen 2 Type A, 4x USB 3.2 Gen 1 Type A, 1x USB 3.2 Gen 1 Type C	
	M.2	1x M.2 E-key supporting 1630 or 2230 for Wi-Fi/BT module, 1x M.2 M-key supporting 2242 or 2280 for PCIe/SATA for storage, 1x M.2 M-key supporting 2242 or 2280 for PCIe Gen 4 x4 for NVMe & frame grabber	
	Digital IO	1x DI/DO with 4 in, 4 out	
	Audio	Default: Mic in & line out Option: L/R speaker-out (2W + 2W), Mic-in	
	TPM 2.0	Default: TPM, optional w/o TPM	
	Expansion Slots	N/A	2x PCIe Gen 3 x4 expansion slot for full height half length add on card, Total max supports 25W power budget and additional Molex 4 pin power cable (12V/4.17A) support
Storage	SATA	2x 2.5" SATA 6Gb/s external drive bays 1x M.2 2242/2280 M key support SATA/PCIe gen 3 x3 to support storge 1x M.2 2242/2280 M key support PCIe gen 4 x4 to support	
Mechanical	Dimensions	280 x 198 x 98 mm (W x D x H, without foot pads)	280 x 198 x 150 mm (W x D x H, without foot pads)
	Mounting	Optional wall-mount bracket	
Power Supply	DC Input	DC 24 input (Molex DC-in jack)	
	AC Input	450W (24V/18.75A) AC/DC Medical grade adapter	
Environmental	Operating Temperature	0°C to 40°C	
	Storage Temperature	-20°C to 70°C	
	Humidity	5% to 95%, non-condensing	
	Vibration	Operating vibration: 2Grms, 5-500Hz, 3 axes, Package(NON-OP) vibration: 3.44Grms, 10-1000Hz, 3 axes (W/MXM, W/SSD)	
	EMC	EN55032/35, CE, FCC	
	Safety	UL/cUL and CB (62368-1:2014)	
	Medical Grade	Compliant with IEC 60601-1:2005 + A1:2012 + A2:2020 (3.2 edition) / IEC 60601-1-2:2014 + A1:2020 (4.1 edition)	

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

Vision and Mission
Why ADLINK Healthcare?

ADLINK delivers hardware and software solutions which directly address mission-critical business and technology challenges and is trusted around the world for its expertise. It supports digitization in the healthcare sector and is helping to improve efficiency of medical care, thus saving both time and money, reducing the burden on staff, and ultimately increasing patient satisfaction.

Technical Consultancy

We provide a broad technical consultation service, advising on the appropriate technology for integration into an overall system build. From design to certification, we walk through the process with customers in order to recommend the best solution.

Longevity

Long-term partnerships with key suppliers support a more stable range with individual products remaining unchanged for several years – helping system integrators and OEMs avoid costly and time-consuming re-certifications due to obsolete components.

Speed to Market

With production, design, and technology centers on three continents, we can maintain supply even in the most challenging circumstances. We have complete control of our products from conception to manufacture and can therefore deliver a fast time-to-market and guarantee that no sudden changes will be made to equipment. The modular nature of the portfolio also means existing components can be used as the basis for new designs which again speeds up the process.

A Multifaceted Medical Solutions Resource

ADLINK has the expertise, technology and design flexibility to deliver the medical solutions you need – from off-the-shelf or with minor modifications to fully tailored products and systems. We have the design and manufacturing capabilities to meet your individual specifications and requirements, and produce fully tailored versions of our medical touch panel PCs, CPU and I/O boards, and display solutions.

Versatility

ADLINK's portfolio was developed to offer the versatility needed to meet the demands of wide-ranging applications. The modular design enables our products to be mixed, matched and adapted to ensure each customer receives a cost-effective solution and the best possible fit. Modifications can be anything from a simple color or labelling change to default settings, add-on hardware or software imagery. At the other end of the scale, we also offer fully tailored products.

Certification & Registration

Our equipment has been certified as meeting the global IEC 60601 medical standards and also complies with individual variations in countries such as the USA, Canada, Switzerland, Japan, Korea and many others. In addition, we assist customers with implementation of the certification and international registration procedures and can offer further compliance.

Global Reach- Local Touch

With 21 offices located in the USA, EMEA, Asia Pacific, and China, we support customers across the globe.

COMING SOON
MLC-S Series, ASM 55UHB



MLC-S Series

MLB-3102

ASM 55 UHB

EXCELLENT PERFORMANCE

Outstanding medical products for the requirements of the future. Developed for and with our customers on their needs for optimized integration, user-friendliness and increased patient safety.

Visit www.adlinktech.com/en/certified-medical-device to get further informations.

ADLINK
Leading EDGE COMPUTING

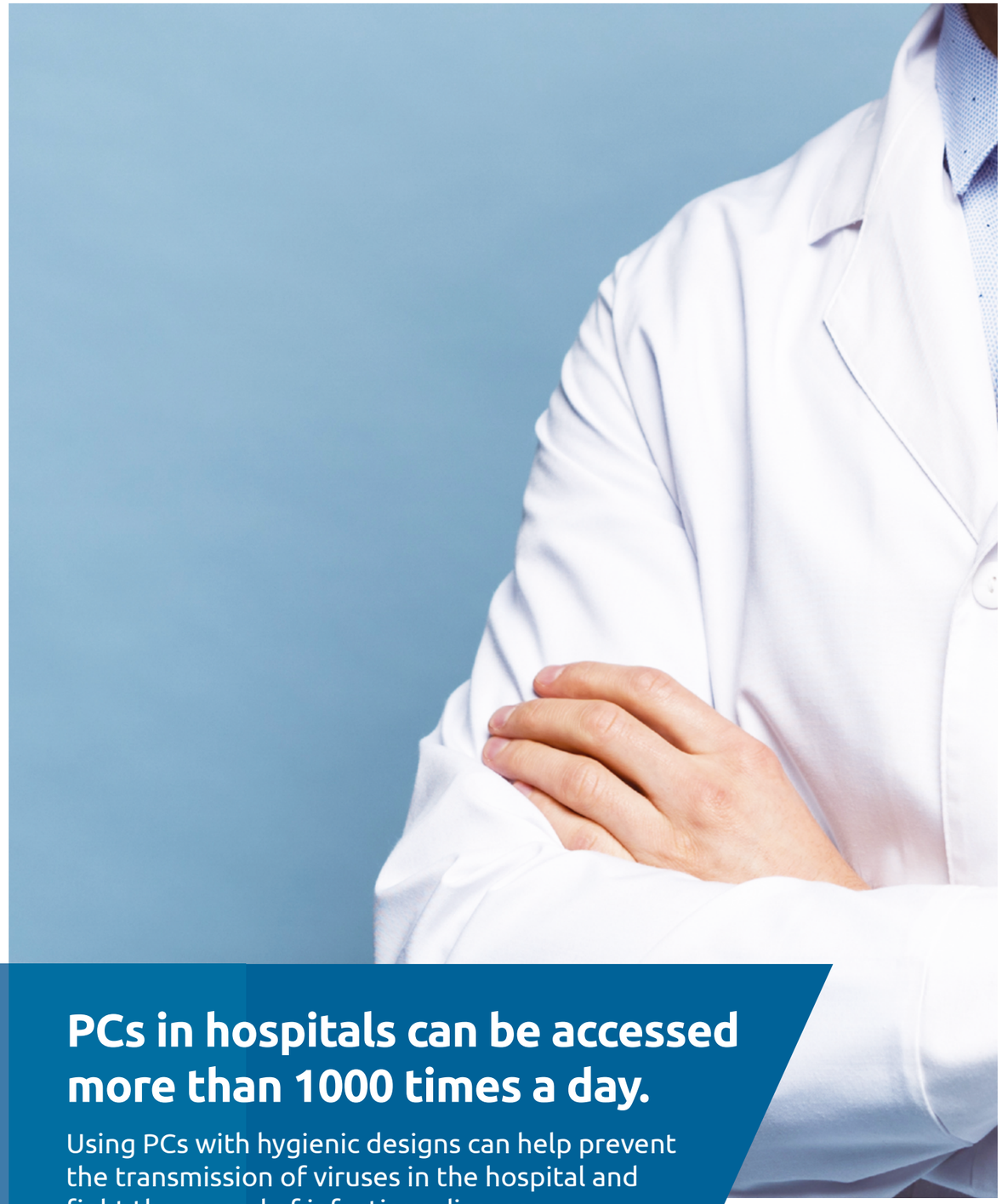
LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

About
ADLINK Healthcare Technologies

With an established reputation for reliability and safety, ADLINK Healthcare delivers medical hardware and software solutions which directly address the critical challenges faced in operating theaters, intensive care units, emergency and recovery rooms. Our medical panel PCs, surgical monitors, and other healthcare products are designed for maximum hygiene combined with operational dependability and control.
Customers around the globe trust in our expertise and experience to help keep patients and staff safe. They include hospitals and hospital chains, OEMs, ODMs, system integrators and VARs, and vary depending on the sales channels in each country.

ADLINK Technology, a global provider of leading medical solutions, is a Premier Member of the Intel® IoT Solutions Alliance, partner of NVIDIA and AUO, and a contributor member of the HDBaseT Alliance. Headquartered in Taiwan, ADLINK offers manufacturing in Taiwan and China; R&D and integration in the US, Germany, Taiwan, and China (see Figure 1); an extensive network of worldwide sales and support offices; and a continually expanding partner ecosystem. ADLINK is ISO 9001, ISO 14001, ISO 13485, and TL 9000 certified and is publicly traded on the TAIEX Taiwan Stock Exchange (stock code: 6166). Our products are currently available in over 40 countries across five continents and are supported by worldwide distribution networks and offices and more than 1,600 employees.





PCs in hospitals can be accessed more than 1000 times a day.

Using PCs with hygienic designs can help prevent the transmission of viruses in the hospital and fight the spread of infectious diseases.

ADLINK Leading EDGE COMPUTING

www.adlinktech.com

All products and company names listed are trademarks or trade names of their respective companies. Updated September 2024
© ADLINK Technology, Inc. All rights reserved. All specifications, pricing and product names are subject to change without notice.

Visit www.adlinktech.com/en/certified-medical-device to learn why hygienic design matters most

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

WORLDWIDE OFFICES

ADLINK Technology GmbH (Healthcare Business Unit Headquarters)

Ulrichsberger Str. 17 94469 Deggendorf, Germany
Tel: +49 (0) 991 290 94-10
Fax: +49 (0) 991 290 94-29
Email: info.deg@adlinktech.com

ADLINK Technology, Inc.

No. 66, Huaya 1st Rd., Guishan Dist.,
Taoyuan City 333411, Taiwan
333411 桃園市龜山區華亞一路66 號
Tel : +886-3-216-5088
Fax: +886-3-328-5706
Email: service@adlinktech.com

ADLINK Technology (China) Co., Ltd.

上海市浦东新区张江高科技园区芳春路300号 (201203)
300 Fang Chun Rd., Zhangjiang Hi-Tech Park
Pudong New Area, Shanghai, 201203 China
Tel: +86-21-5132-8988
Fax: +86-21-5192-3588
Email: market@adlinktech.com

Ampro ADLINK Technology, Inc.

6450 Vía Del Oro, San Jose, CA 95119, USA
Tel: +1-408-360-0200
Toll Free: +1-800-966-5200 (USA only)
Fax: +1-408-600-1189
Email: info@adlinktech.com

ADLINK Technology Beijing

北京市海淀区上地东路1号盈创动力大厦E座801室(100085)
Rm. 801, Power Creative E, No. 1 Shang Di East Rd.
Beijing, 100085 China
Tel: +86-10-5885-8666
Fax: +86-10-5885-8626
Email: market@adlinktech.com

ADLINK Technology Singapore Pte, Ltd.

84 Genting Lane #07-02A, Axxel Innovation Centre,
Singapore 349584
Tel: +65-6844-2261
Fax: +65-6844-2263
Email: singapore@adlinktech.com

ADLINK Technology Shenzhen

深圳市南山区科技园南区高新南七道数字技术园
A1栋2楼C区 (518057)
2F, C Block, Bldg. A1, Cyber-Tech Zone, Gao Xin Ave. Sec. 7
High-Tech Industrial Park S., Shenzhen, 518054 China
Tel: +86-755-2643-4858
Fax: +86-755-2664-6353
Email: market@adlinktech.com

ADLINK Technology Singapore Pte. Ltd. (Indian Liaison Office)

#50-56, First Floor, Spearhead Towers,
Margosa Main Road (between 16th/17th Cross),
Malleswaram, Bangalore - 560 055, India.
Tel: +91-80-42246107, +91-80-23464606
Fax: +91 80 23464606
Email: india@adlinktech.com

ADLINK Technology SARL

Bâtiment Thalès–Parc des Algorithmes,
Route de l'Orme des Merisiers,
91190 SAINT AUBIN, France
Tel: +33 (0) 1 60 12 35 66
Fax: +33 (0) 1 60 12 35 66
Email: france@adlinktech.com

ADLINK Technology Japan Corporation

〒101-0045 東京都千代田区神田鍛冶町3-7-4
ユニゾ神田鍛冶町三丁目ビル4F
Unizo Kanda Kaji-cho 3 Chome Bldg. 4F,
3-7-4 Kanda Kajicho, Chiyoda-ku, Tokyo 101-0045, Japan
Tel: +81-3-4455-3722
Fax: +81-3-5209-6013
Email: japan@adlinktech.com

ADLINK Technology, Inc. (UK Liaison Office)

First Floor West Exeter House, Chichester Fields
Business Park Tangmere, West Sussex,
PO20 2FU, United Kingdom
Tel: +44-1243-859677
Email: UK@adlinktech.com

ADLINK Technology Korea Ltd.

경기도 용인시 수지구 신수로 767
A동 1503호 (동천동, 분당수지유타워) (우) 16827
A-1503, U-TOWER, 767 Sinsu-ro, Suji-gu, Yongin-si,
Gyeonggi-do, Republic of Korea, 16827
Toll Free: +82-80-800-0585
Tel: +82 31 786-0585
Fax: +82 31 786-0583
Email: korea@adlinktech.com

ADLINK Technology, Inc. (Israel Liaison Office)

SPACES OXYGEN, 62 Medinat, Ha-yehudim st
4673300, Herzliya, Israel, P.O.Box – 12960
Tel: +972-54-632-5251
Fax: +972-77-208-0230
Email: israel@adlinktech.com

ADLINK®
LEADING EDGE COMPUTING

intel partner
Titanium
IoT Solutions

All products and company names listed are trademarks or trade names of their respective companies.
All specifications are subject to change without further notice.

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