ADLINK
Leading EDGE COMPUTING

Innovation to the Next-Level Healthcare

Medical Panel Computer for Critical Care

New MLC 8 Series Medical Panel Computer



www.adlinktech.com

2019

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

In modern hospitals, there is an increasing need for digital healthcare to allow hospitals to improve workflows and patient experience. Medical-grade computers and mobile devices that support patient monitoring, data transfer, and wireless transmission are becoming increasingly essential for providing streamlined patient care in clinical environments. By leveraging* PENTA's design methodology and manufacturing capabilities in the medical field, ADLINK provides a great variety of medical-grade computers, monitors, and mobile tablets to enable hospitals and clinical institutions to deliver the highest quality and optimum patient care in a wide range of healthcare environments.

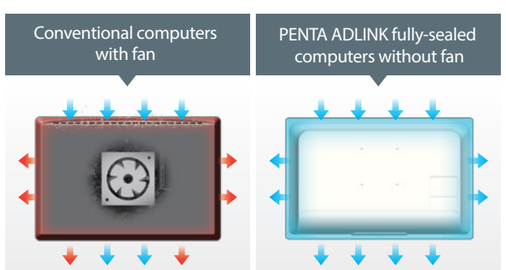


MLC 8 Series: Most Versatile Medical Panel Computer Family

ADLINK's new series of MLC 8 medical computers with 8th Generation Intel® Core™ processors delivers selectable computing performance and outstanding graphics processing capabilities. The new MLC 8 Series is designed with hygiene in mind, fully-sealed and easy-to-clean housings. They can be used in landscape or portrait orientation for patient's vital sign monitoring, nursing care, clinical diagnosis, PACS (Picture Archiving and Communication System), anesthesia monitoring and operating room documentation. With additional safety design and expansion capabilities, ADLINK's medical panel computers and monitors provide a reliable and flexible system with high usability and convenience for doctors and hospital staff.

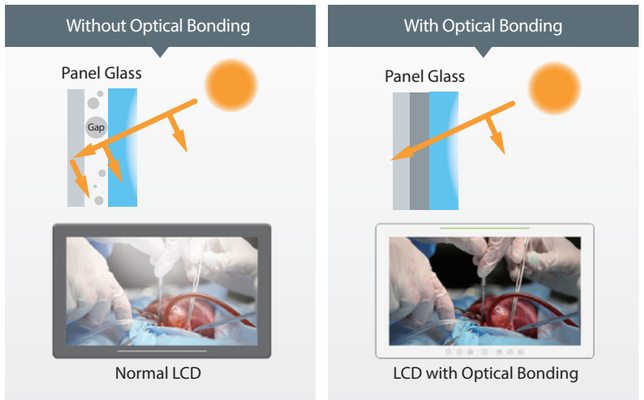
Convenient Infection Control and Effective Cleaning

The patent-pending screw-less aluminum housing of the new MLC 8 Series protects against dust and liquid intrusion in critical patient environments, and the fanless design doesn't disturb the controlled laminar airflow in operating rooms and surgical intervention rooms. The user-friendly design allows the use of all common disinfectants and cleaning agents to prevent accumulation of microbes in order to maintain high hygiene standards required of medical environments.



Superior Viewing Capabilities

The MLC 8 Series offers Full HD and UHD displays with capacitive touchscreen, anti-glare coating and optical bonding for enhanced viewing capabilities. Optical bonding prevents condensation, reduces reflections for increased visibility, and improves the durability of the display.

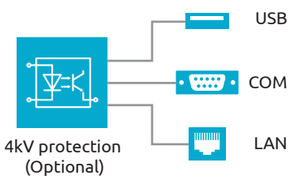


Advanced Functionality and Flexibility

The MLC 8 Series is designed with rich I/O flexibility and includes two DisplayPort outputs to support external monitors required for extended viewing space. An optional UPS backup battery prevents from data loss; wireless connectivity of Wi-Fi, RFID, and Bluetooth is supported to enable mobility and one miniPCIe, one PCIe x16, and two M.2 expansion slots are provided for custom expansion and operational flexibility.

Increased Safety Design

The MLC 8 Series can also be optionally equipped with galvanically isolated COM ports and LAN ports to connect to medical devices and is compliant with 2 x MOPP for enhanced safety. As required for medical electrical equipment, it is designed with electromagnetic emission shielding according to all relevant standards, minimizing interference with other equipment, and is in full compliance with IEC/EN-60601-1 and IEC/EN-60601-1-2.



*Note 1: ADLINK acquired PENTA GmbH to leverage its extensive experience in the design and manufacture of medical embedded computer systems and monitors.

Model Name		MLC 8-21	MLC 8-24	MLC 8-27
				
Computing System	CPU	Intel® Core™ i7-8700T Processor, 2.4 GHz (Turbo up to 4.0 GHz) (12M Cache), 35W Intel® Core™ i5-8500T Processor, 2.1 GHz (Turbo up to 3.5 GHz) (9M Cache), 35W Intel® Core™ i3-8100T Processor, 3.1 GHz (no Turbo) (9M Cache), 35W		
	Chipset	Intel® Q370		
	Graphics	Intel® UHD Graphics 630		
	Memory	Support for dual-channel non-ECC DDR4 – 2400/2666, with up to 64 GB		
Display Characteristics	Size	21.5"	23.8"	27"
	Resolution	FHD 1920 x 1080*		
	Max. Colors	16.7M		
	Viewing Angle	178º h/v		
	Luminance (cd/m²)	> 250	> 250	> 350
Expansion Slot	PCIe	1x PCIe x16 Gen 3.0 slot (PEG port) 1x full-size mPCIe slot to support PCIe / mSATA (by GPIO setting) and USB 2.0 1x M.2 (2230) slot to support PCIe and USB 2.0 1x M.2 (2280) slot to support PCIe / mSATA (by GPIO setting) and USB 2.0		
Storage	SSD	2.5" SATA SSD, capabity upon request		
	HDD	Optional, capacity upon request		
I/O Ports	Serial Port	Optional up to 4 ports (4 kV isolated also optional)		
	USB Port	2x USB 2.0 (4 kV isolated optional) 4x USB 3.0		
	Display Port	2x DisplayPort, max. res. 4096 x 2304, 60 Hz		
	LAN	2x Ethernet 10/100/1000 Mbit/s (4 kV isolated optional)		
	Audio	Audio Line-out / Mic-in		
Power		100-240 V ~ 50/60 Hz (internal medical-grade PSU) or 24 V DC with external medical PSU		
UPS Backup Battery (Optional)		15 - 20 min		
Environmental	Operating	0 °C to 30 °C		
	Storage	-10 °C to 60 °C		
	Ingress Rating	IP65		
Mechanical	Dimensions	527.2 x 341.3 x 88 mm	602 x 371 x 87 mm	673 x 411 x 87 mm
	Weight	~12 kg	11.4 kg	12.3 kg
	Housing	Aluminum		
	Mounting	VESA 100		
Certificates		IEC 60601-1: 2012 EN 60601-1: 2013 IEC 60601-1-2: 2014 EN 60601-1-2: 2015		

* 4K/UHD resolution display options are available upon request.

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

WORLDWIDE OFFICES

ADLINK Technology, Inc.

9F, No.166 Jian Yi Road, Zhonghe District
New Taipei City 235, Taiwan
新北市中和區建一路166號9樓
Tel: +886-2-8226-5877
Fax: +886-2-8226-5717
Email: service@adlinktech.com

Ampro ADLINK Technology, Inc.

5215 Hellyer Avenue, #110 San Jose, CA 95138, USA
Tel: +1-408-360-0200
Toll Free: +1-800-966-5200 (USA only)
Fax: +1-408-360-0222
Email: info@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 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 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. (Korean Liaison Office)

경기도 용인시 수지구 신수로 767
A동 1008호 (동천동, 분당수지유타워) (우) 16827
A-1008, 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 (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

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 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 GmbH

Ulrichsberger Strasse 17 94469 Deggendorf, Germany
Tel: +49 991 290 94-10
Fax: +49 991 290 94-29
Email: emea@adlinktech.com

ADLINK Technology, Inc. (French Liaison Office)

6 allée de Londres, Immeuble Ceylan 91940
Les Ulis, France
Tel: +33 (0) 1 60 12 35 66
Fax: +33 (0) 1 60 12 35 66
Email: france@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, 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

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

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