Product Portfolio 2019

Optimised IT hardware solutions for the medical sector

ACL
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OR-MD® 27
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ACL

| OR-PC® | OR-MD® | OR-Wall Systems | Bedside-Terminal |

Made in Germany

Intelligent it-solutions – always a step ahead

ACL GmbH develops and manufactures optimised IT hardware solutions to meet the needs of the medical sector. Our intelligent solutions set trends and are always one step ahead of the competition.

Users of ACL products in the medical sector are entitled to expect total reliability in continuous operation. ACL products impress by virtue of their outstanding quality, durability and ergonomy. All employees of ACL are on a mission to develop and produce flawless products.

An extensive portfolio of peripherals and accessories completes our offering. With extensive consulting and professional services combined with a full range of products, we are a leading supplier of IT equipment for operating theatres and intensive care units. The enclosed information provides an overview of selected products and services from our company.

However, a data sheet on its own cannot fully describe our complex solutions.

We would therefore be more than happy to welcome you to our company to introduce you to our products and advise you on the solutions most suitable for your needs.

We would be very pleased if you find our products to be of interest.

Do not hesitate to ask! For further inquiries, please call us on +49 341 230780 or send an eMail to sales@acl.de.

Thomas Wollesky
CEO

The ACL Product Family

ACL Product Benefits

High-quality IT Hardware

Dedicated engineers and experienced technicians have been designing and testing our hardware in Leipzig and Chemnitz for over 20 years.

As well as the latest CAD/CAM systems and advanced measuring technology, the long-standing experience and commitment of our employees guarantee the continuing success of our products. This know-how and feedback from our customers form the basis of our ongoing product development.

ACL OR-PC® products are not only developed and assembled in Germany. Several years ago, ACL began to manufacture major system components itself. Only in this way can we provide our customers with consistently high quality at affordable prices.

In-house production offers not only cost savings, but also a high degree of flexibility and stability in relation to market fluctuations. That is why only ACL OR-PC® products can offer all of the advantages mentioned on the opposite page.

ACL took another major step in 2015 with the commissioning of a new production site comprising 2,400 m² of usable floor space in Markkleeberg near Leipzig, Germany.

Display Sizes

15" 19" 21" 24" Portrait

1. Modern. Fast

ACL OR-PC® computers are equipped with the latest 6th or 7th generation Intel® Core™ i5 / i7 or Celeron® processors. New processors from the market leader and the most advanced chipset technology guarantee maximum performance.

2. Robust. Durable

ACL OR-PC® products are enclosed in high-quality aluminium housings developed and manufactured by ACL. This not only makes them extremely mechanically robust, but also ensures longer service life than plastic models. Aluminium is not susceptible to embrittlement or bleaching effects.

3. Silent. Reliable

ACL OR-PC® units are equipped with ACL's own unique cooling system, which is completely maintenance-free and uses no rotating fans.
All systems are designed for continuous operation 24/7.

4. Hygienic. Stylish

With an all-over safety glass front, ACL OR-PC® products are completely waterproof and dustproof to IP68 and extremely easy to disinfect. The attractively designed devices are optimised for wipe disinfection on all sides.

5. Brilliant. From every angle

The best image quality can only be achieved with high-quality LCD modules. ACL OR-PC® products therefore rely exclusively on top-quality IPS modules with an allround viewing angle of 89° in all directions. High colour stability is also guaranteed when viewed from the side and from above or below.

6. Complete. Everything's included

ACL OR-PC® computers require no external mains unit thanks to their internal power supply. The fixing of desktop power supplies with cable ties becomes a thing of the past.

7. Modular. A safe investment

ACL OR-PC® are modular and can be customised with a range of options to suit your requirements. Upgrades to later generations safeguard your investment.
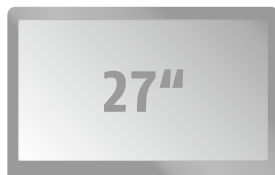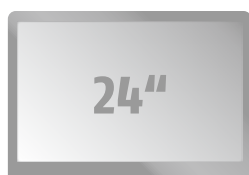
8. Flexible. Expandable

ACL OR-PC® can be customised with a range of options to suit a wide variety of needs. There is not enough space here to list all the available features. The most popular optional expansions are: PCAP touchscreen, WLAN, barcode scanner, RFID reader, 6xRS232 ports, decoupling above 4kV for different interfaces, integrated uninterruptible power supply and many more besides.

9. Your idea. Our solution

For a long time ACL has also produced OEM products for reputable medical device manufacturers. With our long-standing experience and the special modules we have developed in the past, we are certain to find the right solution to your problem.

Just give us a call!

24"   27"   32"   42"

Product Family ACL OR-PC®

OR-PC®

ACL OR–PC® – a series of DIN EN 60601 compliant panel PCs for use within the patient environment. Developed and manufactured in Germany.

Applications

→ Operating theatres
→ Procedure rooms
→ Preparation and recovery rooms
→ Post-anaesthesia care rooms
→ Intensive care unit/Intermediate Care (IMC)
→ Mobile rounds
→ Areas with special hygiene requirements
→ Cleanrooms

Application Examples

ACL OR-PC® units are used as input terminals
or bedside workstations for:

→ CIS (clinical information systems)
→ PDMS (patient data management systems)
→ Anaesthesia documentation systems
→ RIS/PACS workstations
→ Digital video and endoscopy systems
→ automated data capture of medical devices

ACL OR-PC® Series
Medical Panel PC

The Most Popular

The classic PC from the ACL OR-PC® product family is the highend state of the art work-station for PDMS, CIS or PACS applications. With the optional bonded Display it has the best picture quality, a higher brightness and less weight of all ACL Panel-PCs.

Specification:
→ Intel®Core™i5 (6th generation ULV processor)
→ 8 GB RAM
→ 120 GB mSATA

Options:
→ Intel®Celeron up to Intel®Core™i7 7th generation
→ Up to 32 GB RAM
→ Up to 1 TB mSATA

ACL OR-PC® Thin Client Series
Medical Panel PC

The Thin Client

For anyone looking for a thin client software application, ACL offers the following hardware solutions.

Specification:
→ IGEL UD3/UD5
→ Teradici® Zeroclient
→ Rangeé Thin- and Zeroclients
→ DELL Wyse Thinclient

Options:
→ Pcap-Touch
→ Wifi
→ Body sound-speakers

ACL OR-PC® Hot Swap Battery
Medical Panel PC

The 24/7 Self-Powered

For all running a PC on a trolley or even without power, ACL offers a 24" 16:10 OR-PC with Dual Hot-Swap Batteries.

Specification:
→ Intel Core Celeron 6th Generation
→ 2 Batteries for 4h Worktime without power
→ Cardreader
→ PCAP-Touch
→ WiFi + Bluetooth

Options:
→ Intel Core i5/i7 7th generation
→ RFID-Reader
→ Barcode-Scanner

ACL OR-PC® OD
Medical Compact PC

The Smallest

This compact member of the ACL OR-PC® family delivers full power in a minimal space. A price-sensitive solution for connection of external monitors.

Specification:
→ Intel® Core™i5 (6th generation ULV processor)
→ 8 GB RAM
→ 120 GB mSATA
→ Without integrated display

Options:
→ Up to Intel® Core™i7
   (7th generation ULV processor)
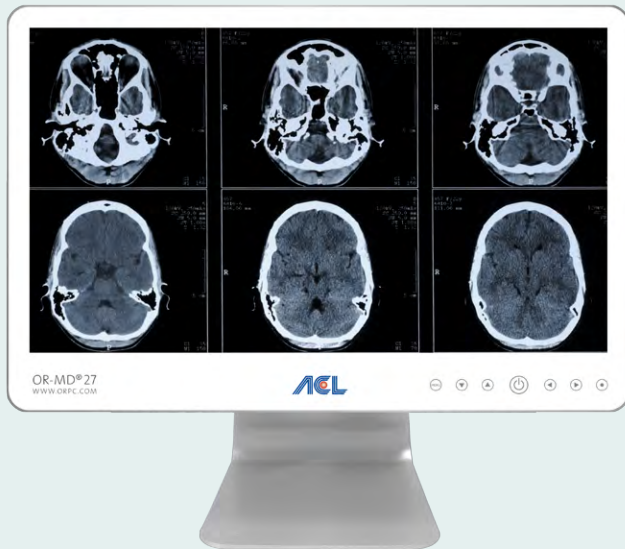→ Up to 32 GB RAM
→ Up to 1 TB mSATA

Product Family ACL OR-MD®

OR-MD® 27
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OR-MD®

ACL Medical Displays in a sealed aluminium housing with bright, true-colour IPS displays and allround viewing angle are the first choice for medical image and video display in operating theatres and intensive care units. Configurable with a variety of analogue and digital interfaces, even including an integrated video crossbar. Endoscopy, microscopy and radiology are important applications for ACL Medical Displays. But with their optional touch functionality, these monitors are also ideal for use as a second screen for various medical devices.

ACL OR-MD® Series

ACL OR-MD® with DICOM curve

This series of ACL Medical Displays is specifically designed for the rendition of radiological images. An image display better adapted to human viewing habits is achieved through DICOM-compliant characteristics in the brightness control. So finest nuances of shadows can be recognized much more reliability.

ACL OR-MD® 4k Series

ACL OR-MD® 4k Series

The new ACL Medical Display 4k Series delivers an amazing resolution of 3840 x 2160 pixels (UHD). Wonderfully sharp images for professional video and image reproduction are finally a reality. However, medical records, statistics and graphs can also benefit from four times the resolution of a conventional full-HD monitor. If required, two different signal sources can be displayed in full resolution at the same time on this monitor.

OR-Wallmodule
Individual solutions for or-integration

Wallstation

As a OR-PC®, monitor or multiple-screen solution, our ACL wall modules offer a wide range of custom-built options for visualisation and documentation of RIS/PACS, KIS and PDMS applications. You have the option of combining them with other monitors, PC components and input units and they can be integrated in the OP environment as a wall installation or wall mounting solution. All of these systems are maintenance-free and their designs are prepared for later updates.

You can take it for granted that we take the dimensions and install it on-site and there's no question that all ACL products are disinfectable, are protected against splashing water and meet even the highest standards of long service life and quality of screen imaging.

In-Wall

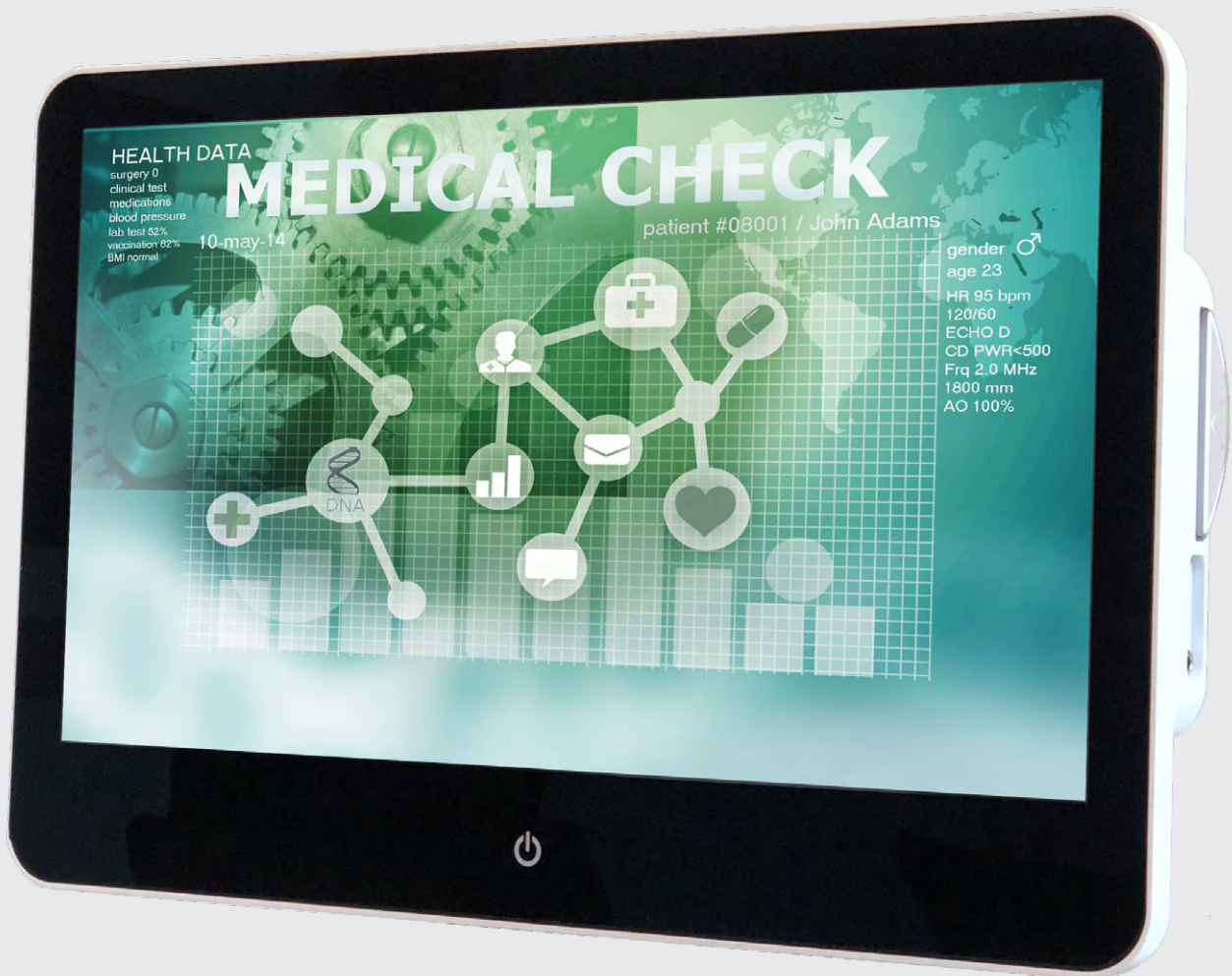
Wall installation solutions

Our modularly designed ACL wall installations can be individually configured for stationary installation in the OP-zone. Depending upon your requirements, we can produce them as computer, monitor or multiple screen solutions equipped and dimensioned according to your own specifications.
You can decide between the classical aluminium model or the design full glass front. Both of these models will win your confidence with a high level of efficiency, a long service life and maximum service friendliness.

On-Wall

The ACL Bedside-Terminal
with 15.6" Full-HD Display with 10-point pcap-Multi Touch

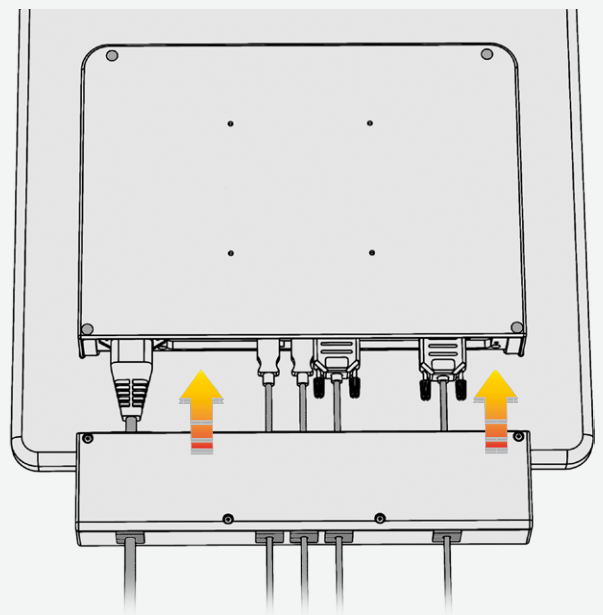For processintegration of patient surveys, meal ordering, TV/Media and Point–of–Care.

→ Weight (kg): 2.4
→ Operating voltage: 24V (DC) with Power consumption max. 15 W
→ Processor: Intel Celeron N4200 Apollo Lake, 4 GB RAM, 64 GB m.2 RAM
→ Fanless passive cooling via completely closed Aluminiumhousing
→ Antireflective and Antifingerprint Aluminisilicateglassfront IP68
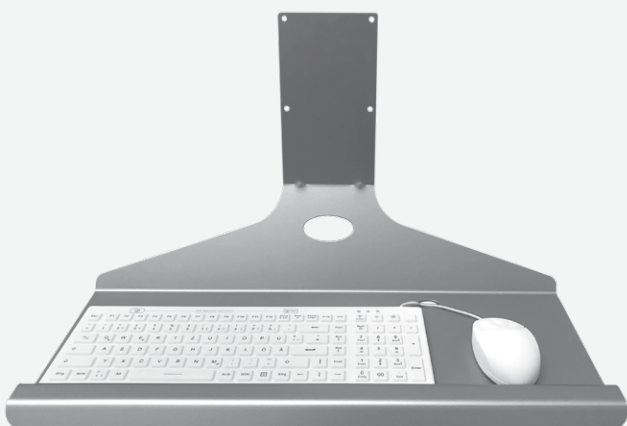→ Sound: integrated loudspeakers/ headphones

ACL-Accessories

OR–PC® 21 on Wallstation.

Cable Cover

Wallstation KL (Keyboard plus Mouse)

Desk Stand for OR–PC®/OR–MD®

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