

# PRODUCT PORTFOLIO 2017

Optimised IT hardware solutions for the medical sector



OR-PC®

OR-MD

WALL MOUNT

MOBILE



Made in  
Germany

# INTELLIGENT 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 ergonomics. 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 [info@acl.de](mailto:info@acl.de).

Dr. Holger Noffz  
CEO

# THE ACL PRODUCT FAMILY

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# 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.

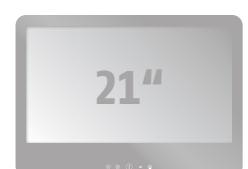
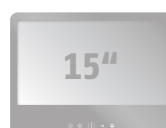
ACL OR-PC® products are not only developed and assembled in Germany. Several years ago, ACL began to manufacture major system components itself. Only in this way can we provide our customers with consistently high quality at affordable prices.

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 m<sup>2</sup> of usable floor space in Markkleeberg near Leipzig, Germany.



## DISPLAY SIZES



## 1. MODERN. FAST

ACL OR-PC® computers are equipped with the latest 6th generation Intel® Core™ i5 and i7 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 IP69 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.

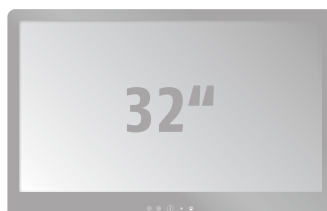
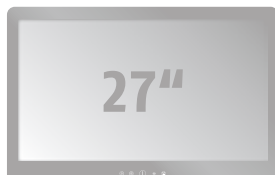
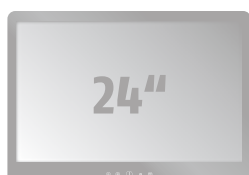
## 8. FLEXIBLE. EXPANDABLE

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!



# 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® SLIM SERIES

MEDICAL PANEL PC



## THE SLIM

The brandnew Slim-PC from the ACL OR-PC® product family is the highest state of the art workstation for PDMS, CIS or PACS applications. With its bonded Display it has the best picture quality, a higher brightness and less weight of all ACL Panel-PCs.

### Specification:

- Intel®Core™i5 (6<sup>th</sup> generation ULV processor)
- 8 GB RAM
- 120 GB mSATA

### Options:

- Intel®Celeron up to Intel®Core™i7 6th generation
- Up to 16 GB RAM
- Up to 1 TB mSATA

# ACL OR-PC® HIGH PERFORMANCE

MEDICAL PANEL PC



## THE HIGH-POWERED

The most powerful panel PC anywhere. Delivering the highest performance and flexibility.

### Specification:

- Intel® Core™i5 processor (mobile processor)
- 8 GB RAM
- 120 GB SSD for continuous operation 24/7

### Options:

- Up to Intel® Core™i7 quad-core (mobile processor)
- Up to 32 GB RAM
- Up to 1.5 TB HDD/SSD, also available as RAID
- Integration of additional cards possible (e.g. for video-digitising)



# ACL OR-PC® LP SERIES

MEDICAL PANEL PC



## THE MOST POPULAR

The LP Series from the ACL OR-PC® product family is the ideal workstation for PDMS, CIS or PACS applications. Extremely easy to disinfect with its full glass front and smooth outer surfaces on all sides. Top performance at a reasonable price.

### Specification:

- Intel® Core™i5 (6<sup>th</sup> generation ULV processor)
- 8 GB RAM
- 120 GB msata

### Options:

- Up to Intel® Core™i7 (6<sup>th</sup> generation ULV processor)
- Up to 16 GB RAM
- Up to 480 GB SSD

# 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 (6<sup>th</sup> generation ULV processor)
- 8 GB RAM
- 120 GB msata
- Without integrated display

### Options:

- Up to Intel® Core™i7 (6<sup>th</sup> generation ULV processor)
- Up to 16 GB RAM
- Up to 480 GB SSD

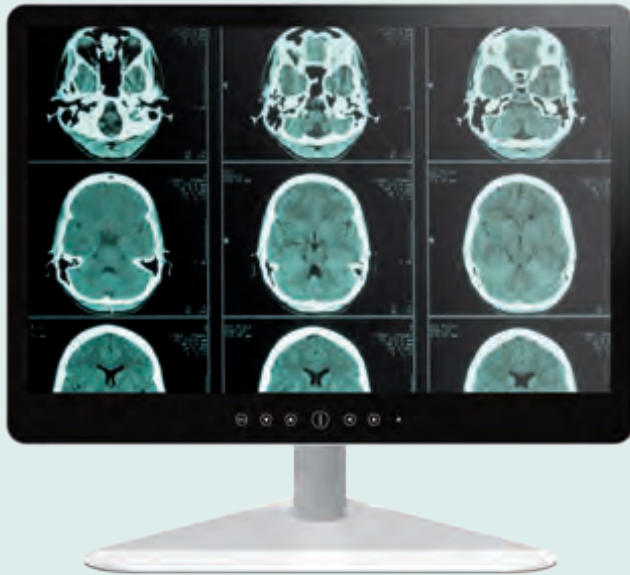
# PRODUCT FAMILY ACL OR-MD



## 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



## 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. An experienced radiologist can thus detect the finest gradations of shadows even more quickly and reliably at the push of a button.

# ACL OR-MD 27 4k / 32 4k



## ACL OR-MD 27 4k / 32 4k

The new ACL Medical Display 27 4k / 32 4k 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.

# ACL WALL MOUNT

INDIVIDUAL INTEGRATION SOLUTIONS



## WALL MOUNT

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. That's why they do not have to be detached. 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



## WALL INSTALLATION SOLUTIONS

ACL's wall installations offer custom-made configuration options for computer, monitor or multiple-screen solutions on the OP wall – both the classical aluminium model and the design full glass front. ACL's modular approach will win your confidence with a high level of efficiency, a long service life and maximum service friendliness. For instance, you can replace all of the components without violating the sterile environment of the operating theatre.

# ACL MOBILE SOLUTIONS



## MOBILE

With their portable, mains-independent power supply, ACL's mobile solutions stand out from the rest in the area of mobile IT in the patient environment.

Typical applications for mobile ACL solutions are:

- Paperless mobile rounds
- Visualisations for patients
- Entries in the PDMS (drug dispensing, for example)
- Mobile PACS or endoscopy system in the operating theatre
- Patient entertainment

# ACL OR-PC® SLIM SERIES ON HUMANSCALE T7 CART



## LITHIUM-ION MOBILE POWER SYSTEM

- Humanscale TouchPoint T7 cart
- 45 amp hour, rechargeable lithium-ion phosphate battery
- electronic height adjustment
- conformity with standards of EN 60601
- designed under ergonomic criteria
- integrated ACL OR-PC Slim Series
- with 6th Gen. Intel® Core™ i5 / i7 Processors
- complete enclosed Panel-PC with fanless, hygienic design

# NEW OR-PC PORTABLE (COMING 2017)



## PORTABLE

The strengths of the lightweight ACL OR-PC® Portable in spite of the aluminium housing are in its mobile operation. Two built-in lithium-ion batteries ensure you can work for a long period without the power supply. Beyond this, the Intel® Celeron or the Intel® Core™ i5 6th-generation processors can also compute in mobile operation at maximum performance and compatibility. Furthermore, the built-in optically bonded TFT screen has full HD resolution (1,920 x 1,080 pixels) guaranteeing a crystal clear image. You can key in data conveniently even without a keyboard with the built-in PCap touchscreen.

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