

Product Portfolio 2025

OR-PC® | OR-MD® | OR-CONSOLE® | OR-Pad® | OR-MedCart®



Powerful IT hardware for use in medical and hygienically critical areas

ACL, with its headquarters and production site in Leipzig, has been developing and producing optimised IT hardware for use in the medical sector that meets the special requirements of hygienically critical areas for 30 years as an owner-managed medium-sized company with over 100 employees.

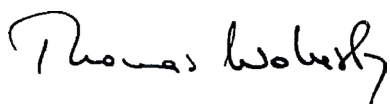
Our intelligent solutions set trends and are always one step ahead of the competition. When you use ACL products, you get maximum reliability in tough routine operation, outstanding quality, durability and ergonomics. The pursuit of innovation at the highest technical standard and the realisation of your individual wishes is our incentive to always deliver excellent products.

Our broad product range, customised consulting and services worldwide and an extensive portfolio of accessory products make us one of the leading solution providers for IT technology in operating theatres, intensive care units and critical hygiene areas.

We are particularly pleased to celebrate the 30th anniversary of our ACL OR-PC® series in 2025 with a new generation of devices. This generation has all the classic virtues and well-known ACL quality features and combines the latest design and technology available on the market to be ready for AI and cope with the highest loads.

This brochure gives you an overview of our products and accessories. We are also happy to present our solutions on site and would like to give you the opportunity to see their quality and flexibility for yourself. We can also develop customised solutions for you.

Thank you for your interest and we look forward to receiving your enquiry.



Thomas Wollesky
CEO

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ACL's products stand for outstanding quality, robustness and ergonomics

Our medical IT hardware is assembled exclusively at our plant in Leipzig, Germany. More than 100 employees help to perform all development and production steps which include CNC milling, painting, glass processing with printing as well as lamination and bonding in our own clean room and under ESD conditions.



The company also has its own sales and service centres in the USA, Dubai and Hong Kong. ACL products are characterised by quality, functionality and sustainability and can be purchased via a selected dealer network in over 40 countries worldwide.

Over 30 years of quality »Made in Germany«



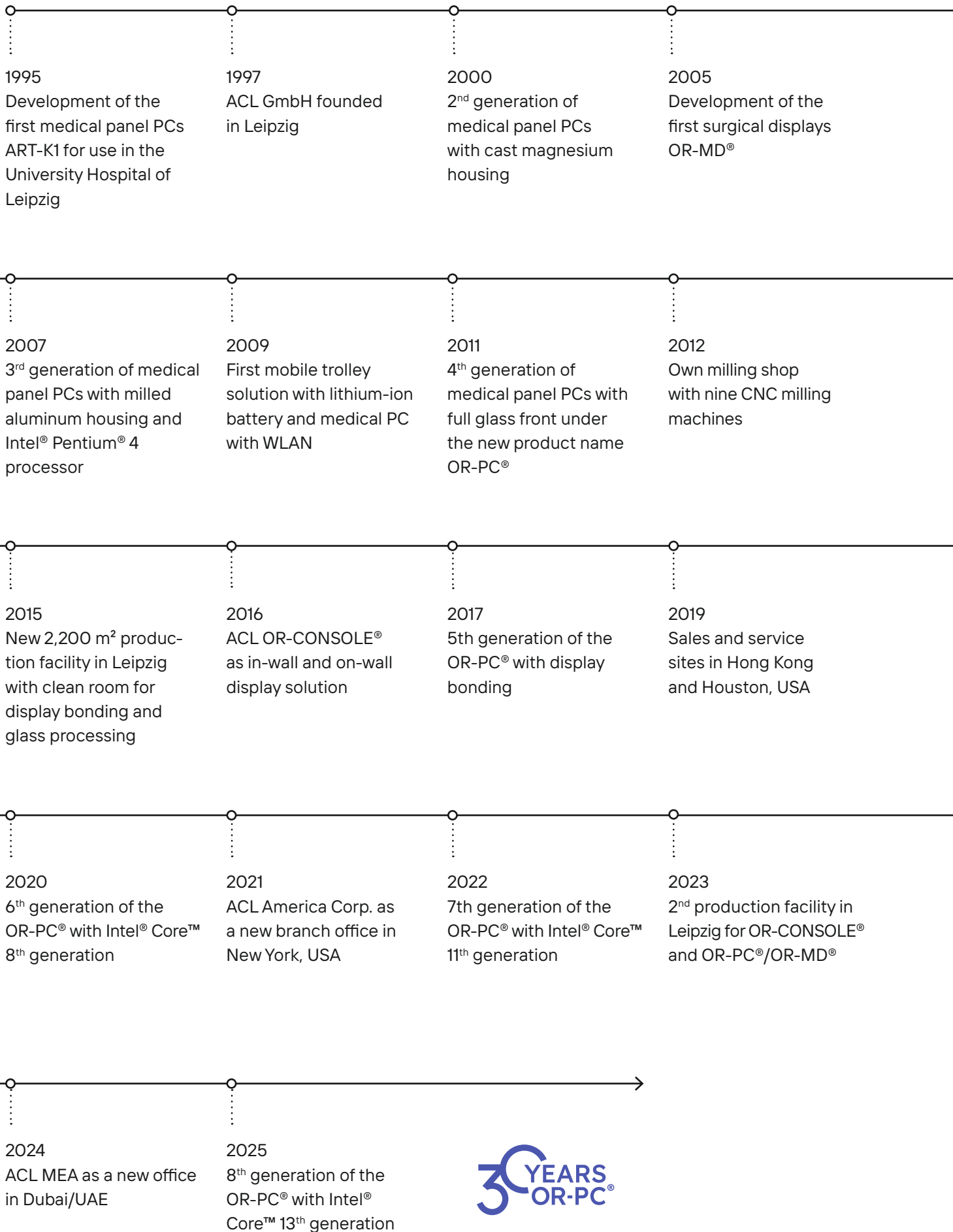
Since the development of the first medical panel PCs in 1995, ACL has been flexibly producing hardware solutions with great passion and technical expertise at a level that exceeds the highest demands on devices for the medical sector. Thanks to many years of experience in the development and production of medical IT hardware, ACL offers e.g. clinics, medical technology and software manufacturers, planners and distributors the right solutions for the benefit of their patients and customers for a quarter of a century.

History of OR-PC® series 1995–2025

As an independent German manufacturer, we rely on our own production, design and electronic development and guarantee our customers durable products of the highest quality. In the development of our

products we follow the maxim of combining ergonomics and design with state-of-the-art technology. ACL's products therefore also convince with their modern, compact device concept and low weight.





Our Mission:

Excellence in Medical IT Hardware

ACL's employees are committed to providing medical staff innovative, high-performing and durable IT hardware to handle rigorous use and maintain the top hygiene standards for patient safety and comfort. The products embody the »Made in Germany« quality seal through innovation, the use of top-quality materials, workmanship and commitment to excellent customer service.



Our Values – That's what sets us apart:

Reliability

We produce for hygiene-critical areas. That's why we apply the highest standards to the quality of our work and products. We develop durable and extremely highquality hardware solutions that work exactly as they should - creating longterm reliability and stability, not only with our products, but also in our behaviour. Because the trust of our partners and customers is of crucial importance to us.

Flexibility

We listen carefully and understand our customers and their complex, often highly individualised requirements. This is the only way we are able to provide precise and customised solutions for a wide range of applications. Thanks to our great commitment, enormous vertical integration at our own site and agile, customer-centred processes, we can overcome even the most unusual challenges - holistically, from initial consultation to after-sales service.

Consistency

We have a clear plan. In everything we do. And we communicate this confidently to the outside world. Our products are characterised by their practicality and are intuitive to understand and use. Our design is not just aesthetic, but also functional and reduced to the essentials: the needs of the user. We pursue the same clarity in all areas of our company. Our work is precise and focussed. We communicate transparently and straightforwardly. And we stand by what we say.

OR-PC[®] series

The medical grade all-in-one OR-PC[®] is made for strenuous non-stop operation in hygienically critical areas.



Robust, fanless aluminum housing



High hygienic standards



Long lifetime and investment security (up to 5 years warranty)



Use with gloves



Highly customizable



Passive cooling system



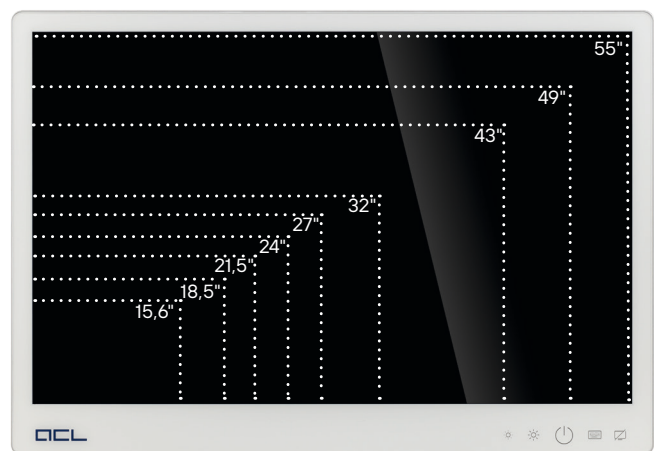
Completely enclosed, fanless construction



Extremely robust and maintenance-free



Specially developed for continuous operation in hygienically critical areas



Full-HD: 15,6", 18,5", 21,5", 24"
Ultra-HD (4K): 27", 32", 43", 49", 55"

Strengths at a glance

Easy handling

- Easy to disinfect
- Simple cable management (integrated power supply unit)
- service-friendly, tool-free device installation
- integrated VESA interface
- Touch deactivation at the touch of a button for disinfection mode
- maintenance-free

Technology/construction

- Long product service life thanks to optimised heat dissipation from the device with passive ACL cooling system
- Industrial components enable continuous operation (24/7), high planning and investment security
- Use of powerful Intel® ULV processors up to the 13th generation
- Energy-saving night mode thanks to backlight switch-off
- Display: Use of modern technologies such as IPS with true color reproduction and all-round viewing angle
- Protective glass pane: Corning® Gorilla® Glass with anti-reflective (AR) and anti-fingerprint (AF) coating or Anti Glare (AG)
- Powerful hardware components

Design

- Completely enclosed, milled all-aluminium housing
- Silent operation without moving parts
- low appliance weight due to compact design
- Disinfectable with smooth surface without edges

Optional product specifics

- Individual disc or logo printing and individual housing colours, also for small series
- Antibacterial coating
- Special glass coatings available on request
- Various accessories that can be integrated: RFID/NFC reader, barcode scanner, webcam, speaker, reading lamp, Wi-Fi6 + Bluetooth

Fields of application

- Intensive care unit and intermediate care
- Operating room
- Intervention area
- Inlet and outlet room
- Recovery room
- Clean room

Examples for application

- CIS (Clinical Information Systems)
- ePR/PDMS (Patient Data Management Systems)
- Anaesthesia Documentation Systems
- RIS (Radiology Information Systems)
- PACS (Picture Archiving and Communication System)
- Digital audio and video capturing
- Telemedicine

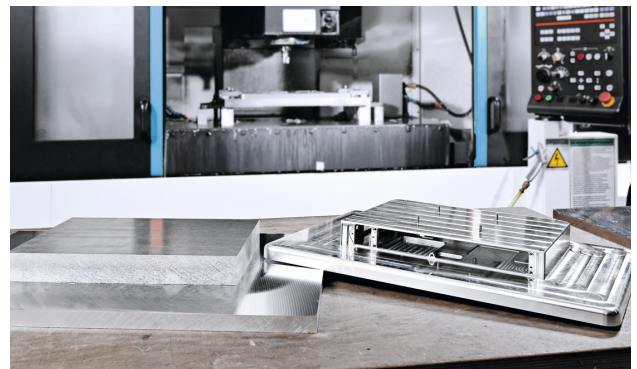
Material specifications

Corning® Gorilla® Glas

The use of a protective Corning® Gorilla® Glass pane is a standard feature of ACL's OR-PC®s. This type of glass is highly scratch-resistant, resilient, saves weight and increases display brightness.

Milled aluminum housing with ACL cooling concept

We manufacture enclosures in our milling shop from a solid aluminum block. Thanks to the excellent thermal conductivity of the metal combined with a cooling system developed by ACL, the closed housing heats up passively via the surface. A maximum temperature of 55°C under full PC load in the housing ensures a long service life and minimal downtime. In addition, the enclosures are more robust, do not fade and can be recycled.



OR-PC® series: variety of products

Based on the individual requirements of our customers, we tailor the right solution for the OR-PC®.



OR-PC® 24 Hot Swap Battery

The OR-PC® 24 with Hot Swap Battery has been specially developed for mobile use in hygienically critical areas. It is perfect for anyone who wants to use an OR-PC® without a separate power supply.



OR-PC® for Video-Capturing

Optionally, video capture cards can be integrated into the OR-PC® to archive and visualise recordings directly in the operating theatre. We thus offer an independent platform solution that can be easily integrated into existing networks.



OR-PC® Box

The OR-PC® Box enables the integration of additional PCIe cards. With the optional 10" touch display, the device can be used for video capturing, for instance. The voltage and signal supply are only via a single USB-C connection.



OR-PC® Box Mini

The OR-PC® Box Mini is the most compact version of the series. The space-saving stand-alone PC is also equipped with a passive cooling system and industrial components, and is suitable for continuous operation.

Specifications

Housing	Milled solid aluminum
Equipment	Intel® Celeron, Core i5, Core i7 (Intel® ULV processor up to the 13 th generation)
	up to 64 GB DDR5-RAM, 5200 MHz
	up to 2 TB M.2 SSD
	Internal power supply
Display sizes Full-HD	15,6", 18,5", 21,5", 24"
Display sizes Ultra-HD (4K)	27", 32", 43", 49", 55"

Options

Individual configuration options

- PCAP multi-touch
- RFID/NFC reader
- Barcode scanner
- Wi-Fi6 and Bluetooth, mobile data transfer
- Integration of PCIe cards for video capturing
- Loudspeaker
- Webcam
- Cable cover
- Windows operating system pre-installed
- Warranty extension up to 5 years
- Individual screen or logo printing and individual housing colors also for small series
- USB extension to 6 interfaces
- MIC IN / LINE OUT

Decoupling

- Interface decoupling 4 kV (RJ-45, RS-232)

Coatings

- Germicidal coatings
- Special glass coatings available on request

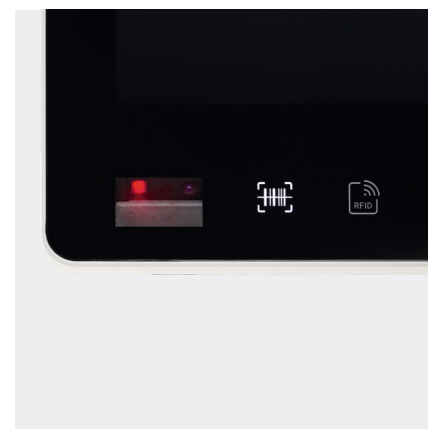
Examples of customization



Customized screen printing
and Lacquering



Cable cover



Barcode scanner and
RFID/NFC reader

OR-MD[®] series

The devices of the OR-MD[®] series are the top choice for medical imaging and video displays. Bright, true-color displays and high all-round viewing angle are the hallmarks of this series.



Robust, fanless aluminum housing



High hygienic standards



Long lifetime and investment security (up to 5 years warranty)



Use with gloves



Highly customizable



Resource saving and sustainable



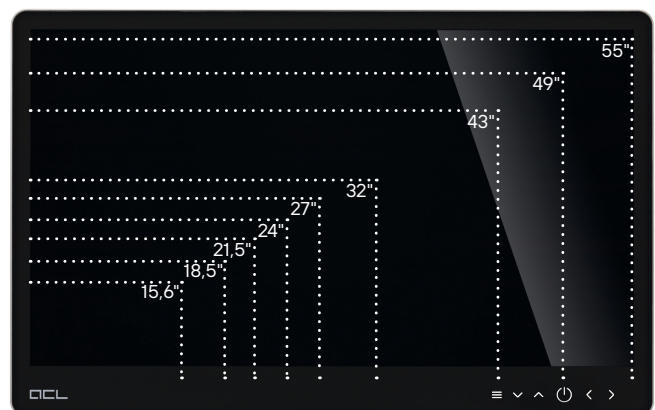
Ideal for high-resolution medical image and video presentations in the operating room and intensive care units



OR-MD[®] – the best picture in Full HD and Ultra HD (4K)



State-of-the-art PCAP multi-touch screen



Full-HD: 15,6", 18,5", 21,5", 24", 27", 32"

Ultra-HD (4K): 24", 27", 32", 43", 49", 55"

Strengths at a glance

Easy handling

- Easy to disinfect
- Easy cable management (integrated power supply unit)
- Service-friendly, tool-free device mounting, integrated VESA interface
- For disinfection deactivate display by touching only a button
- Maintenance-free

Technology/construction

- Protective glass pane: Corning® Gorilla® Glass with anti-reflection (AR) and anti-fingerprint (AF) coating
- TFT panel with all-round viewing angle
- Energy efficient night mode due to backlight shut-down

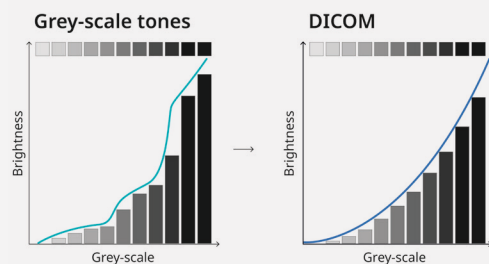
Design

- Reduced unit weight thanks to compact design
- Completely enclosed, milled full aluminum housing

Optional product specifics

- Individual window or logo printing as well as individual housing colours, also for small series
- Antibacterial painting
- Special glass coatings available on request
- Optical bonding: Image reproduction of the highest brilliance

DICOM-Preset



Calibrated DICOM preset optionally possible

Fields of application

- Operating room
- Radiology
- Endoscopy
- Microscopy
- Visualization within the environment close to the patient (according to EN DIN/UL 60601)

Internal power supply unit

All ACL monitors have an internal medical power supply unit with wide-range AC/DC input which eliminates the need for additional mounting solutions and cables for external power supplies. This gives you a perfect hygienic situation, fewer cables and less cleaning effort. However, we can also offer a DC/DC on request.



Interfaces

The monitors offer various interface inputs from DP to DVI, HDMI, SDI and loop functions for connecting additional monitors. Optional interfaces can be used for calibration or a touch connection, so that you can connect all sources with the widest possible choice.

OR-CONSOLE® series

The OR-CONSOLE® serves as a central control platform for the display, recording, and distribution of patient-specific medical data.



High hygienic standards



Long lifetime and investment security (up to 5 years warranty)



Passive cooling system



Use with gloves



Highly customizable



Resource saving and sustainable



Metal Housing

This is the cost-effective basic variant within this product series. The metal housing can be flexibly painted in all RAL colors according to customer requirements. It is available with a frame for wall mounting and with a body for surface mounting.



Full glass front for modular wall systems

The wall consoles impress with a high-quality, modern and innovative design as well as a non-reflecting, full-surface glass front. The optional integrated touch, capacitive keypad and optional keyboard guarantee full functionality and easy handling.



With full glass front and keyboard

In this version, it is possible to integrate a keyboard, mechanical buttons, and interfaces leading to the outside. These can be flexibly arranged and realized in a stainless steel element.



Full-HD: 21", 24", 27", 32"

Ultra-HD (4K): 27", 32", 43", 49", 55", 65", 75"

Strengths at a glance

Easy handling

- Hygienic, flush-fitting device installation concept for effective disinfection
- For disinfection deactivate the display by touching only one button
- Maintenance-free

Technology/construction

- Use of state-of-the-art technologies
- Long product life through optimized heat dissipation from the device with passive cooling system
- Using industrial components allows for continuous operation, long-term high planning and investment security
- Flexible modular system for individual multi-display solutions
- Modern TFT panels with all-round viewing angle
- Protective glass pane with anti-reflection (AR) coating

Design

- Noiseless operation thanks to no rotating parts
- Use of high-performance hardware components

Optional product specifics

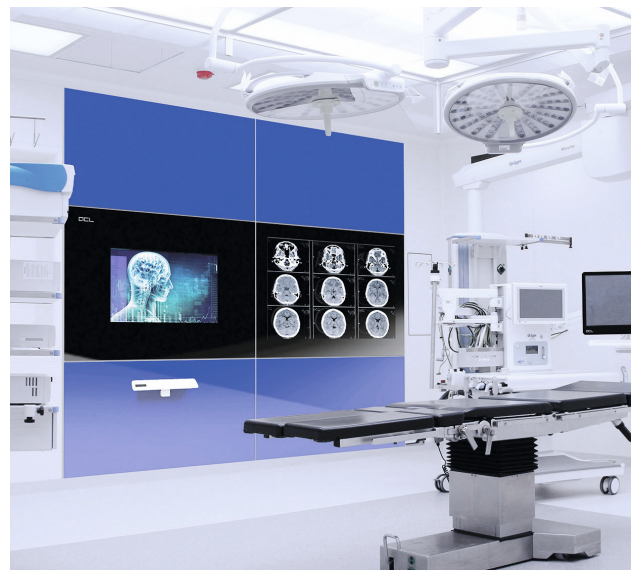
- Individual window or logo printing as well as individual housing colours, also for small series
- Special glass coatings available on request
- Customizable in dimension and equipment options
- Various integrable accessories: e.g. RFID/NFC reader, barcode scanner, etc.
- Calibrated DICOM preset
- Individual equipment with additional data and video interfaces possible

Fields of application

- Operating room
- Intervention area
- Laboratory
- Clean room

Examples for application

- RIS (Radiology-Information-Systems)
- PACS (Picture Archiving and Communication System)
- PDMS (Patient-Data-Management-Systems)
- Digitale OR Integration



Design specifics

ACL puts great emphasis on quality in terms of housing and the mechanics. This is ensured by flush integration into system walls, adjustment options for the exact adaptation of the devices to existing wall niches, as well as the flexibility of processing.

Quality Check

The OR-CONSOLE® – like all ACL's devices – is subjected to a comprehensive quality check before delivery. In addition to a visual inspection and an intensive functional test, all installed electronic components go through a documented stress test to guarantee the longevity of the device.

Customized configurations

In addition to the OR-CONSOLE® standard systems, ACL is also able to produce individual dual or multi-screen solutions due to the high vertical range of manufacture and its own design team.



There are almost no limits to the possible combinations and expansions for dual or multi-screen solutions. Screen diagonals from 10"–75" can be individually combined with each other and can also be supplemented with additional function displays, for example for time, timer, temperature and humidity. The same range of variants can be accessed as for the standard

systems, optionally with metal housing or full glass front, designed as a wall recessed or surface-mounted solution and with integrated PC or as a monitor. The modular device concept also guarantees a high degree of future and investment security, as hardware expansions or upgrades are possible at any time without difficulty.

Specifications

Basic system	Designed as monitor
Display Sizes Full-HD	21", 24", 27", 32"
Display Sizes Ultra-HD (4K)	27", 32", 43", 49", 55", 65", 75"
Optional PC module: Equipment options	Intel® Celeron, Core i5, Core i7 (Intel® ULV processor up to 13 th generation)
	up to 64 GB DDR5 RAM, 5200 MHz
	up to 2 TB M.2 SSD
	Internal power supply

Options

Individual configuration options

- PCAP multi-touch
- RFID/NFC reader
- Barcode scanner
- Wi-Fi6, Bluetooth
- LWL-Interface cards
- Integration of PCIe cards
- Loudspeaker
- Individual customer layout
- DICOM preset
- Pre-installed Windows operating system
- Warranty extension up to 5 years

Decoupling

- Interface decoupling 4 kV (RJ-45, RS-232)

Coating

- Germicidal coatings
- Special glass coatings available on request



High hygienic standards

The OR-CONSOLE® is water- and dust-proof on the front side. Dust turbulence is avoided by the fanless, completely enclosed design. The full-surface protective glass pane makes it completely disinfectable. The flush installation avoids surfaces or edges where dirt can accumulate. An additional antibacterial coating is optionally available.



Interfaces and switches

Individually adapted to the respective application, the OR-CONSOLE® can be flexibly equipped with interfaces, switches and buttons. The customer can also define the number as well as the position of the elements, regardless of whether the devices have a metal housing or a full glass front.

OR-Pad® Medical Tablet

The OR-Pad® is your reliable companion in everyday clinical use.



Wherever you are

ACL's OR-Pad® Medical Tablet combines functionality and performance in a compact, durable and light-weight aluminum housing (1.8 kg). It accompanies you wherever you need it in the daily clinical routine and offers you access to your digital content at any time thanks to excellent connectivity.

Extremely robust and easy to clean

Certified to IEC 60601-1/60601-1-2 and with an IP65 protection rating, the OR-Pad® resists drops, shocks and liquids. It is also protected against heat, cold and submersion. As usual for ACL devices, all commercially available cleaning agents and disinfectants from the clinical environment can be applied to the tablet without any problems.

High quality touch screen

The 13.3" touchscreen convinces with a Full HD panel and brilliant colors. Thanks to the capacitive 10-point multi-touch, it can also be operated with wet hands or gloves. The anti-fingerprint (AF) and anti-glare (AG) screen coatings based on Corning® Gorilla® Glass reduce interference on the display surface.

High connectivity and flexible use

Besides WiFi 6 and Bluetooth 5, for fast and stable wireless connections according to the latest standards, the OR-Pad® also offers extensive interfaces: 1 × HDMI, 2 × USB 3.0 (Type A), 1 × USB 3.1 (Type C), 3.5 mm audio in/out. There is a front camera (5 megapixels – fixed focal length) and a rear camera (8 megapixels – autofocus and LED flash). The keyboard on the front includes a power button, volume up/down, and three programmable buttons as options.

Powerful

With 11th generation Intel® ULV processors and blazingly fast M.2 SSDs, the OR-Pad® Medical Tablet is every bit as good as a stationary computer.

Wide range of applications:

- Directly at the patient
- Nursing and intensive care units
- Emergency room
- Telemedicine

Accessories



Dockingstation



Hand Strap



VESA Mount



Carrying handle



Carrying strap

OR-MedCart® Mobile Solution

ACL offers several mobile solutions equipped with the latest technology. Depending on customer requirements various combinations are possible. The OR-PC® or the OR-PC® 24 Hot Swap Battery in combination with flexible cart solutions can be tailored to every requirement in the field of digital and mobile healthcare.

ACL's mobile cart solutions support medical staff during their daily tasks in an optimal way. During medical examinations the full digital access to patient data and records provided by the hospital information systems will help to improve the effectiveness and the patient education, which eventually enhances the contentment of all parties.

Telemedicine solutions will gain more and more importance in a fully connected world and considering distances to keep. ACL's mobile solutions meet this claim perfectly with:

- Integrated loudspeakers
- Webcam
- Microphone
- External screen

No need for additional wiring or devices resulting in a lack of hygiene. With an integrated battery system, the OR-PC® 24 Hot Swap Battery lasts all day and merely alerts you when it is time to power up. This way you can fully concentrate on your work and continue when the battery charge runs out. Just grab a loaded battery and swap it during operation of the system.



Accessories

We offer a wide range of accessories to match our core products. These come from our own development and production and thus meet the high quality standards of ACL's products. Our dedicated team will work with you to plan all your options and maximize performance.



Height-adjustable wall station

The height-adjustable wall station is used for space-saving wall mounting of the OR-PC® devices up to 32" in combination with a foldable keyboard or keyboard/mouse combination. All cable connections are located inside the mounting. All required interfaces (e.g. USB, network connections) are splash-proof. The milled aluminum wall station can be completely disinfected and meets the highest standards of durability and quality.

Further accessoires:

- Keyboards and mice
- Cables
- Support and mounting systems

Desk stand

With the stand developed and manufactured by ACL, one can use OR-PC® and OR-MD® as desktop units up to 27". The elegant design matches ACL's device concept and guarantees the best possible stability. The stand is made of aluminum and easy to disinfect. It can be delivered in different RAL colors.

Please do not hesitate to contact us and discuss your individual requirements.

Product request

Our sales team will be happy to advise you. You can send your product request at sales@acl.de or via contact form at the ACL website.



➤ to the contact form

ACL GmbH

Apelsteinallee 5
04416 Markkleeberg, Germany
+49 341 2307810
sales@acl.de
www.acl.de

ACL Middle East & Africa FZCO

Dubai Silicon Oasis
DP, Dubai, UAE
+971 52 219 1959
sales@acl-mea.com
www.acl-mea.com

ACL America Corp

80 Pine Street, Floor 24
New York, NY 10005, USA
+1 646 405 1042
sales@acl-america.com
www.acl-america.com

ACL APAC

Unit 806-7, 8/f, Kowloon Plaza,
No 485 Castle Peak Road,
Kowloon, Hong Kong
+852 3461 9789
info@acl-apac.com
www.acl-apac.com

in www.linkedin.com/company/acl-gmbh

f www.facebook.com/acl.gmbh

The Beginning of a Journey

Our first medical panel PC from 1995

