

Made
In
Germany

OCL

Product portfolio

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.

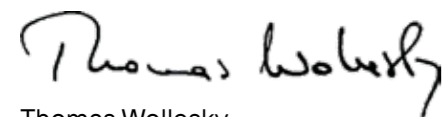
Our intelligent solutions set trends and keep us one step ahead of the competition. With ACL products, you benefit from maximum reliability even in demanding routine operations, combined with outstanding quality, durability, and ergonomics. Our commitment to innovation at the highest technical standards, together with our focus on meeting your individual requirements, drives us to consistently deliver products of exceptional performance and reliability.

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

The new generation of OR-PC® was launched in 2025 to celebrate its 30th anniversary. It combines the classic virtues and well-known ACL quality features with the latest design and state-of-the-art technology, making it ready for AI applications and capable of handling the most demanding workloads.

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 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 can be purchased via a selected dealer network in over 40 countries worldwide.

Over 30 years of quality "Made in Germany"

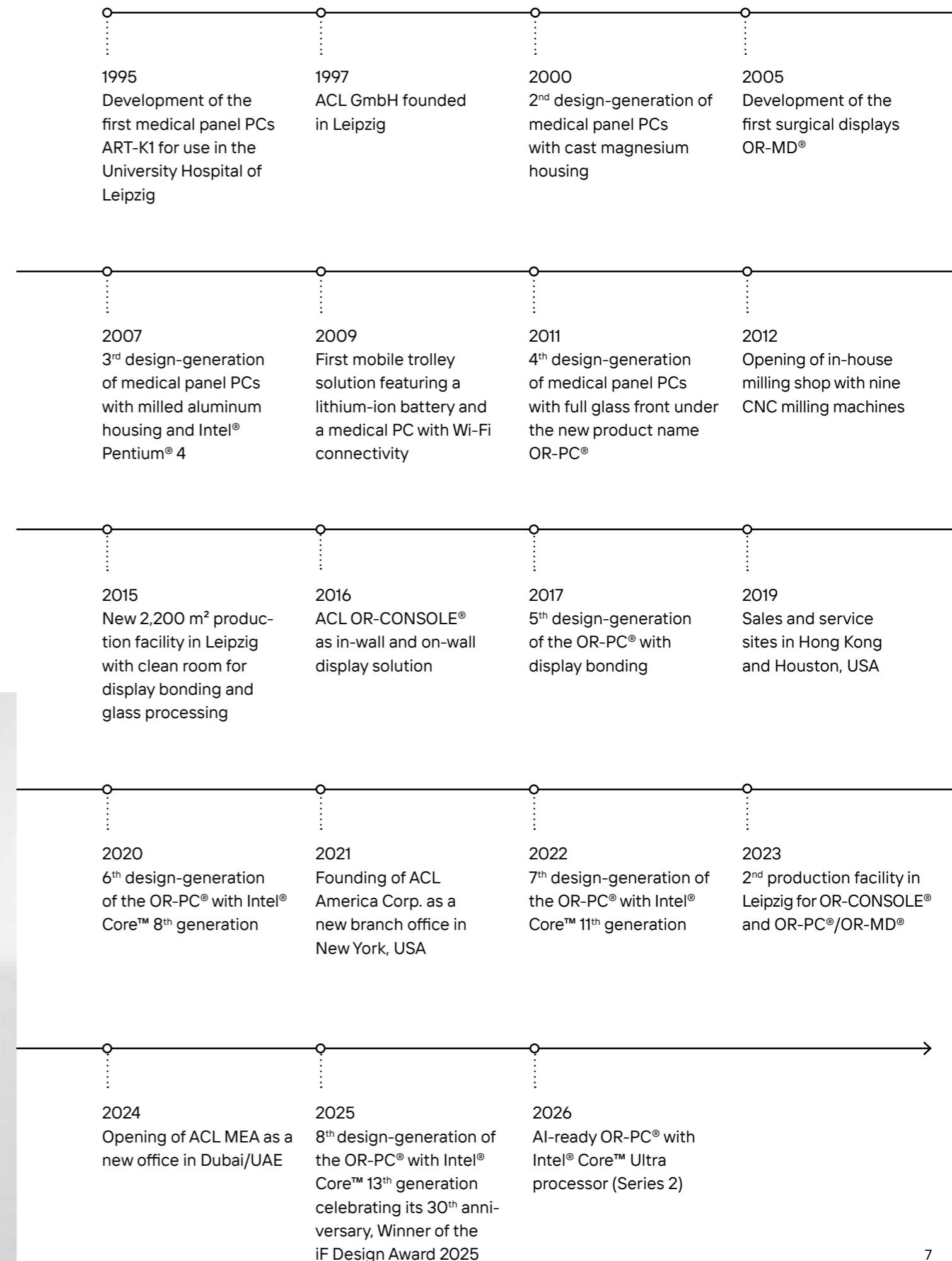


Since developing the first medical panel PCs in 1995, ACL has been creating innovative hardware solutions with passion and technical expertise, meeting the highest demands of the medical sector. With decades of experience in the development and production of medical IT hardware, ACL provides tailored solutions for clinics, medical technology and software manufacturers, planners, and distributors, always with the goal of benefiting patients and customers alike.

History of OR-PC® series 1995–2026

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 delivering innovative, high-performance, and durable IT hardware for medical staff, designed to endure intensive use and uphold the strictest hygiene standards for patient safety and comfort. Every product bears the "Made in Germany" quality seal, representing innovation, premium materials, meticulous workmanship, and outstanding customer service.

As technology accelerates, AI is leading us toward a future of automation and universal connectivity. ACL's OR-PC® is built to keep pace – AI-ready, powerful, and designed to support demanding healthcare workloads with robust processing power and flexible expandability.



Our Values – That's what sets us apart:

Reliability

We develop hardware for hygiene-critical areas, which is why we apply the highest standards to both our products and our processes. Our durable, high-quality solutions perform exactly as intended, delivering long-term reliability and stability, not only in our products but also in the way we conduct our business. The trust of our partners and customers is of utmost importance to us.

Flexibility

We listen carefully and strive to understand our customers and their complex, often highly individualised requirements. This allows us to provide precise, customised solutions for a wide range of applications. Thanks to our strong commitment, extensive vertical integration at our own site, and agile, customer-centred processes, we can overcome even the most unusual challenges, delivering holistic support from initial consultation through to after-sales service.

Consistency

We have a clear plan in everything we do, and we communicate it confidently to the outside world. Our products are practical, intuitive, and easy to use. Our design is not only aesthetic but also functional, focused on the essentials: the needs of the user. We pursue the same clarity throughout our company. Our work is precise and focused, we communicate transparently and straightforwardly, and we always stand by our word.

For 30 years at the University Hospital Leipzig

"I am always impressed by the durability and robustness of ACL products. We have been using the ACL OR-PC® series at University Hospital Leipzig for 30 years. The devices are often in continuous use for more than 10 years before we have to replace them."

Dr. med. Gerald Huschak
OR Manager at University Hospital Leipzig

■ Made
■ In
■ Germany



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)



Usable with gloves



Highly customizable



Passive cooling system



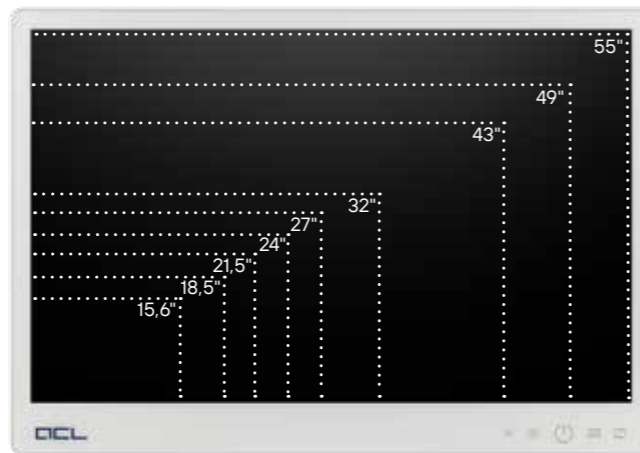
Completely enclosed, fanless construction



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: 27", 32", 43", 49", 55"
Quad-HD: 27"

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 optimized heat dissipation from the device with ACL in-house passive cooling system
- Industrial components enable continuous operation (24/7), high planning and investment security
- Powerful Intel® ULV processors up to Intel® Core™ Ultra (Series 2) with TPM 2.0, featuring Intel® AI Boost NPU delivering up to 24 TOPS for advanced medical data processing
- 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) version
- 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 features

- Individual disc or logo printing and individual housing colours, also for small series
- Antibacterial coating
- Special glass coating available on request
- Various accessories that can be integrated: RFID/NFC reader, barcode scanner, webcam, speaker, Wi-Fi 6 + Bluetooth 5.2

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

A protective Corning® Gorilla® Glass pane is a standard feature of ACL's OR-PC® devices. This glass is highly scratch-resistant, durable, lightweight, and enhances display brightness.

Milled aluminum housing with ACL cooling concept

Our enclosures are manufactured in-house from a solid aluminum block. Thanks to the excellent thermal conductivity of aluminum, combined with ACL's in-house cooling system, the housing dissipates heat passively through its surface. The housing maintains a maximum temperature of 55°C under full PC load, ensuring long service life and minimal downtime. In addition, the enclosures are robust, color-stable, and fully recyclable.



OR-PC® series: variety of products

Based on each customer's individual requirements, we provide a tailored OR-PC® solution.



OR-PC® HotSwap

The OR-PC® with HotSwap has been specifically designed for mobile use in hygiene-critical areas. The PC is ideal for anyone who wants to use a network-independent device. It is available for display sizes of 21", 24", and 27".



OR-PC® for Video-Capturing

Video capture cards can optionally be integrated into the OR-PC®, allowing recordings to be captured and visualised directly in the operating theatre. This creates an independent platform solution that integrates seamlessly with existing networks.



OR-PC® Box


The OR-PC® Box allows integration of additional PCIe cards. With the optional 10" touch display, the device can, for example, be used for video capturing. Voltage and signal of the display are supplied 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® Core™ Ultra 5 and 7 (Intel® ULV processor Arrow Lake series with Intel® AI Boost NPU until 24 TOPS) Intel® processor U300E, Core™ i5, Core™ i7 (Intel® ULV processor Raptor Lake series)  AI-ready for your solution
	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	27", 32", 43", 49", 55"
Display sizes Quad-HD	27"

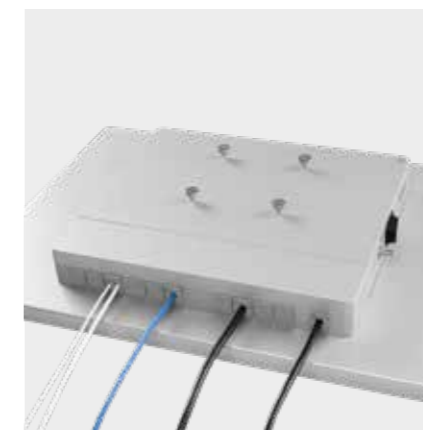
Options

- Individual configuration options
- PCAP multi-touch
 - RFID/NFC reader
 - Barcode scanner
 - Wi-Fi 6 and Bluetooth 5.2, 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 up to 6 interfaces
 - MIC IN / LINE OUT
- Decoupling
- Interface decoupling 4 kV (RJ45, RS-232)
- Coatings
- Germicidal coatings
 - Special glass coatings available on request

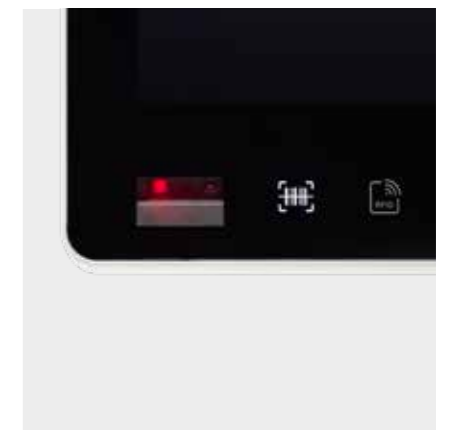
Examples of customization



Bezel 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)



Usable with gloves



Highly customizable



Resource saving and sustainable



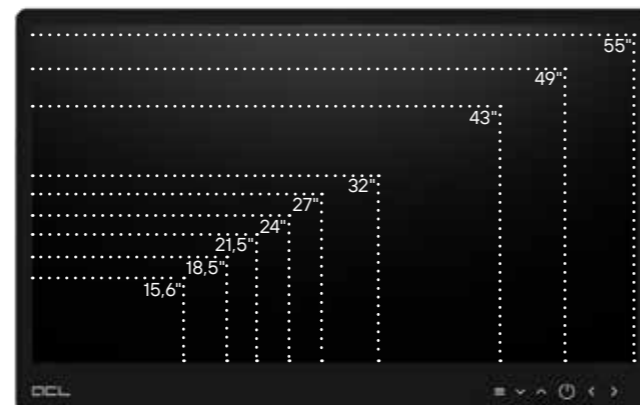
Ideal for high-resolution medical image and video presentations in the operating room and intensive care units



OR-MD[®] – the best picture in Full-HD and Ultra-HD



State-of-the-art PCAP multitouch module (optional)



Full-HD: 15,6", 18,5", 21,5", 24"
Ultra-HD: 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
- Display can be deactivated with a single button for disinfection
- Maintenance-free

Technology/construction

- Protective glass pane: Corning[®] Gorilla[®] Glass with anti-reflection (AR) and anti-fingerprint (AF) coating or Anti-Glare (AG) version
- IPS panel with all-round viewing angle

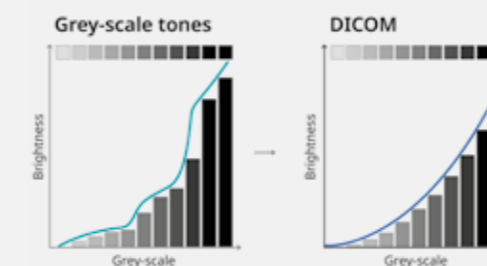
Design

- 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 features

- Individual bezel or logo printing as well as individual housing colours, also for small series
- Antibacterial coating
- Special glass coatings available on request

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 feature an internal medical-grade power supply, which eliminates the need for the additional mounting solutions and cables required by external power supplies.

This improves overall hygiene in highly critical environments and reduces the effort required for cleaning. A DC/DC wide-range input is available as an option for existing power supplies.



Interfaces

Our monitors support the processing and transmission of all signal formats used in the medical field, such as DisplayPort, HDMI, DVI, and 12G-SDI.

Individual adjustments and extensions are also possible.

OR-CONSOLE® series

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



Basic configuration

The OR-CONSOLE® features a modern and hygienic design with a combination of glass and metal. It can be easily adapted to any wall type and installation situation.



Integration into modular wall systems

The OR-CONSOLE® can be integrated flush-mounted into any type of modular wall system. A capacitive keypad, along with optional touch or keyboard tray, ensure full functionality and intuitive operation.



Space-saving all-in-one solution

Control elements, interfaces, or keyboard trays can be integrated space-efficiently and flexibly into a stainless steel unit mounted directly on the OR-CONSOLE®.



Full-HD: 21", 24"

Ultra-HD: 24", 27", 32", 43", 49", 55", 65", 75"

Strengths at a glance

Easy handling

- Hygienic, flush-fitting device installation concept for effective wiping and spray disinfection
- Display can be deactivated with a single button for disinfection
- 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
- Single-pane safety glass with anti-reflection (AR) coating

Design

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

Optional features

- Individual window or logo printing as well as individual housing colours, also for small series
- Other glass options are available upon request
- Customizable in dimension and equipment options
- Various integrable accessories: e.g. RFID/NFC reader, barcode scanner, etc.
- Calibratable 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 places great emphasis on quality in both housing design and mechanical construction. This is ensured through flush integration into system walls, adjustment options for precise adaptation of the devices to existing wall niches, and flexible manufacturing processes.

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 standard OR-CONSOLE® systems, ACL can also develop customised dual- or multi-screen solutions thanks to its high level of vertical integration and in-house 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 and timer. The same range of options is available as with the standard systems. Custom combinati-

ons of glass and metal finishes can be created - either as a flush-mounted or surface-mounted solution, and with an 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"
Display Sizes Ultra-HD	24", 27", 32", 43", 49", 55", 65", 75"
Optional PC module: Equipment options	Intel® Core™ Ultra 5 and 7 (Intel® ULV processor Arrow Lake series with Intel® AI Boost NPU until 24 TOPS) Intel® processor U300E, Core™ i5, Core™ i7 (Intel® ULV processor Raptor Lake series)  AI-ready for your solution
	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-Fi 6, Bluetooth 5.2
 - Integration of PCIe cards
 - Loudspeaker
 - Individual customer design
 - DICOM preset
 - Pre-installed Windows operating system
 - Service agreements with different contract models available on request
-
- Decoupling
- Interface decoupling 4 kV (RJ45, RS-232)
-
- Coating
- Paint finishes instead of coatings
 - Other types of glass available upon request



High hygienic standards

The OR-CONSOLE® is water- and dust-resistant on the front. Air exchange is prevented by the fanless, completely enclosed design. The full-surface safety glass panel makes it fully 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 number and position of the elements can also be customized.



Reliable hardware in daily clinical operations

“The ACL OR-PC® is with me every day at work and meets all the requirements for a clean patient environment. It is robust and always ready for use when it matters – and it looks very good.”

Karina Mihala-Pausz, registered nurse
Oberwart Clinic
Burgenland Health



OR-Pad® Medical Tablet

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



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 Wi-Fi 6 and Bluetooth 5, for fast and stable wireless connections according to the latest standards, the OR-Pad® also offers extensive interfaces: 1 x HDMI, 2 x USB 3.0 (Type A), 1 x 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 capable as a stationary computer.

Wide range of applications:

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

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.

Accessoires



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® HotSwap 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 optimally support medical staff in their daily tasks. During medical examinations, full digital access to patient data and records provided by hospital information systems helps improve efficiency and patient education, ultimately enhancing the satisfaction of all parties involved.

Telemedicine solutions will gain increasing importance in a fully connected world where physical distance must often be maintained.

ACL's mobile solutions meet this claim perfectly with:

- Integrated loudspeakers
- Webcam
- Microphone
- External screen

No additional wiring or devices are required, ensuring hygiene. The OR-PC® HotSwap lasts all day and alerts only when it needs recharging. Simply grab a charged battery and swap it to continue working without interruption.



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 accessories:

- Keyboard and mouse
- Cable
- 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 to sales@acl.de either via the contact form on the ACL website or by using our configurator.

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↗ to the configurator



↗ to the contact form

Note: Not all options can be combined with each other. We reserve the right to make technical changes for technical reasons. ACL product portfolio © 01.04.26 Rev.5.3 by ACL GmbH

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Excellence in Medical IT Hardware

Passion and innovation for the future of healthcare

