

DATA MODUL

Medical & Healthcare

Your partner for safe, compliant & high-performance medical HMIs



Passion Displayed



The suitable product for your application

Medical solutions by
DATA MODUL

Perfect functionality meets safe and hygienic operation: We develop and manufacture individual system solutions for medical technology that not only meet the highest quality standards, but are also perfectly tailored to your needs. We closely work and consult your teams to bring the best product to your customers.



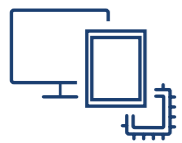
We understand your requirements

Addressing the key challenges

High resolution and contrast, uncompromising cleanliness, and maximum operational safety – products used in patient vicinity must meet the highest quality and safety standards. This demands in-depth expertise in technology, materials, and medical compliance. With perfectly harmonised hardware and software components, we deliver tailored HMI solutions that safeguard patients, support operators, and ensure reliability for medical personnel.

Fulfilling your needs is our top priority

Your advantages at a glance



Materials

- ▶ ISO-/IEC-certified products
- ▶ Reinforced cover glass with various surface treatments
- ▶ Inhouse bonding & gap fillig process
- ▶ Anti-microbial surface treatment



Cleaning

- ▶ Glass surfaces with best chemical resistance
- ▶ Surface treatments such as anti-glare or anti-fingerprint
- ▶ High-quality Ingress Protection (IP) for high hygienic requirements



Operation

- ▶ PCAP sensors and tuning for operation with gloves
- ▶ Gesture control for touchless input
- ▶ Voice control to interact without touching
- ▶ Optical encodersment



Technologies

- ▶ Latest embedded technology on ARM or X86 architecture
- ▶ Camera-based facial recognition systems with state-of-the-art AI
- ▶ Force technology for verification of touch events
- ▶ Wheel on Display (WoD)



Exactly tailored to your needs

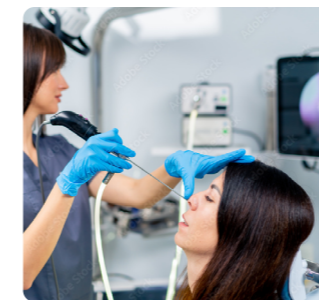
Customising options for your unique product

Our modular product concept brings together all of our company's key competencies into one cohesive system. Leveraging modern display technologies, the latest embedded boards and controllers, innovative touch solutions, and a wide range of housing variants, we provide customised HMI solutions from a single source.

In addition to matching hardware, we also offer suitable software to ensure seamless operation. Our team supports you with regulatory requirements, including comprehensive assistance with regulatory documentation, and provides consultancy to help you meet relevant medical standards. We also assist in integrating the solution into your system architecture, ensuring an efficient and smooth implementation. On request, your individual display solution can be equipped with additional features such as RFID, optical signaling via lighting concepts, loudspeakers or ambient light sensors.

Realise your project together with us

From lab diagnostics, patient care to fitness & rehabilitation



Possible applications

- ▶ MRI
- ▶ CT
- ▶ X-Ray
- ▶ Ultrasound
- ▶ Arthroscopy
- ▶ Endoscopy
- ▶ Ophthalmology
- ▶ Patient Monitoring
- ▶ Eye Laser
- ▶ Heart Lung Machines
- ▶ Defibrillator
- ▶ Dental
- ▶ Neurosurgery/ Microscopy
- ▶ Glucose Monitoring
- ▶ Audiometry & Diagnostic
- ▶ and many more

We are certified according to DIN EN ISO 13485:2016 and thus proven to comply with the requirements for your medical products.

For more information, contact your DATA MODUL sales partner or visit our website: www.data-modul.com/en/sectors-markets



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Get to know our Medical Team

Let's realise your projects together



Roland Wabro
Head of Products & Markets



Dominik Gruettner
Product Management

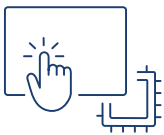


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All good things come in threes:

With **Hardware**, **Software** and **Services**, we realise unique display solutions that turn your ideas into reality.

www.data-modul.com

