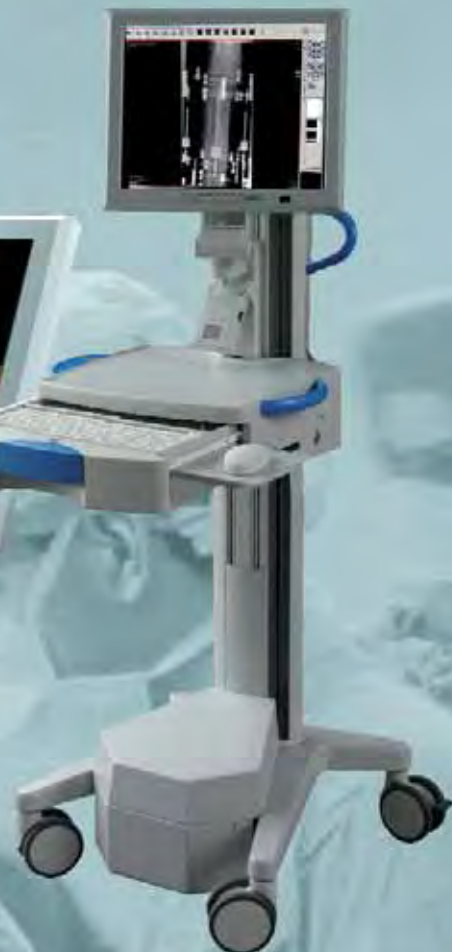


PRODUCT BROCHURE

for operation area, intensive care
unit, doctors surgery and laboratory



Where Innovation meets Quality



MEDICAL PC'S DISINFECTABLE, FANLESS AND POWERFUL

As the market leader in sealed, hygienic and fanless IT in medicine, we offer the complete MEDICAL PC Series solution for the „Point of Care“ area.

For all applications, be it in surgery, intensive care, endoscopy, in air-locks or completely mobile for rescue and ambulance, we have the exact system to meet your requirements.

Our completely sealed products comply to the protection standard IP 65 and are medically certified according to numerous worldwide norms and standards.

Our medical PC's meet every need within all clinical environments, with all of its critical areas. All systems are fully disinfectable and washable.

Because of the completely fanless passive cooling concept the systems are maintenance-free resulting in an increase in longevity. It also provides a silent and turbulence free hygienic environment for both, the patient and operator.



Medical PC

The MEDICAL PC applications are found e.g. in the OR (surgery, anesthesia, radiology) and intensive care units, within the air-lock range and in pure-space areas.



Applications

for operation theatres, in special areas of

- radiology, surgery, anesthesia, intensiv care units, laboratories

ENDOVIS MONITOR

High-end monitors for applications in the endoscopy and minimally invasive surgery, which provide sharp and „image drag“ pictures with rapid response time.

Characteristics – Advantages/Benefits:

- On screen menue
- Remote control interface
- Different picture sources (inputs) (DVI, VGA, RGB, S-Video, composite)
- Picture in Picture (PiP)
- Picture by Picture (PbP)



DUAL/MULTI HEAD

The DUAL HEAD solution is an expandability of the MEDICAL PC as a modern solution for a simultaneous presentation of different applications. (e.g. comparison of radiology pictures).

With this dual head solution, the additional monitor is provided with the same characteristics as the Medical PC.



Two/three monitors for different applications

- disinfectable and washable
- fan- and noiseless

Characteristics – Advantages/Benefits:

- fanless operation (noiseless)
- sealed housing (IP65)
- excludes turbulences from e.g. germs and bacteria.
- use in noise sensitive environments like e.g. patient-rooms or intensive care
- modular high-capacity medicine PC
- disinfectable and washable
- certificated according to EN60601-1/ EN60601-1-2
- optional internal UPS
- extendable
- VESA-norm





MOVE IT

Modern hospital- and treatment methods require maximum performance to compact medical devices. The MOVE IT has a high measure with safety, stability as well as hygiene as a new generation of mobile devices.

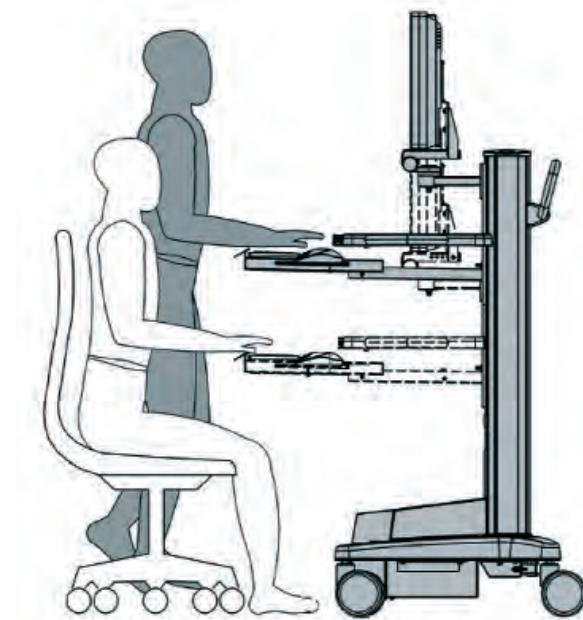
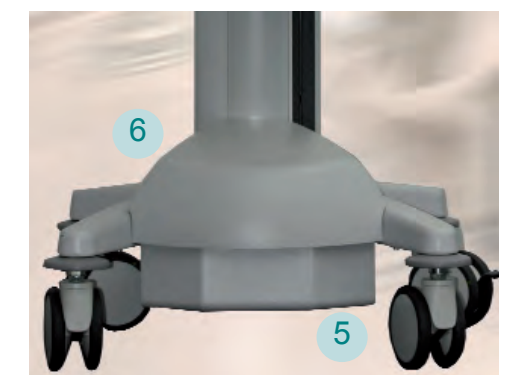
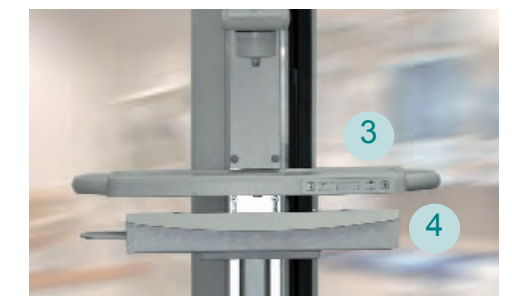
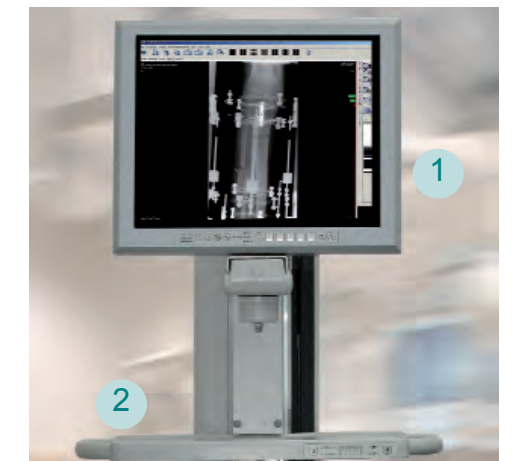
It can be equipped with an high-end-PC of the latest generation, an operating panel and an electrical lifting system as well as an integrated battery with a running time of 8 hours.

The MOVE IT can be used for single monitor operation as well as for dual-head applications with two monitors. Optional with the PC DVD-RW, WLAN, camera modules and speakers are available.



Characteristics – Advantages/Benefits:

- easy-to-use
- fanless PC-systems (option) (1)
- tough material surface (2)
- cleanable and disinfectionable
- perfect cable management
- power management with LED display (3)
- the electronic high-adjustment (4)
- stable, large rolls, easy to move (5)
- fast progressive movement in emergency
- special roll break
- possible to work sitting or standing
- keyboard-drawer and mice-deposit
- 8-hours-Akkupack (6)
- W-LAN is optional included with the PC
- VESA 75/100 mount
- fully enclosed and maintenance-free enclosure





MOBILE HH

The Mobile HH PCs are characterized by their small and robust housing. Therefore, they can be used in areas where limited workspace is available.

What is now available in emergency medical applications is a mobile intensive monitoring system for emergency patients. The mobile control system is based on an impact and water resistant case Tablet PC – The Mobile HH. In

this device all patient measurement data from the monitoring system can be gathered and be made available both on the screen locally and over UMTS/GPRS in real time, anywhere in the world. Areas that especially benefit from this wide-band mobile telemetry data technology is the transport of patients to trauma centers and specialty facilities via helicopter and/or ambulance.

This allows the medical specialist to focus their attention solely on the care of the patient. By extension, standard emergency services benefit from this technology.



ASSESSORIES

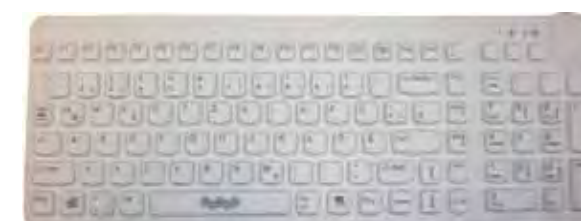
The PENTA Medical Keyboard and mouse are specially developed for the use in hygiene-sensitive areas such as medical facilities operating rooms (surgery, anaesthesia, radiology) and intensive care units. It is a disinfectable and washable, completely sealed input device (per IP65). Because of the rounded keys the keyboard is easy to clean. High control comfort, good mechanical stability as well as the high-quality silicone surface distinguish this keyboard for medical use.

The mouse is based on optical technology and its silicone upper section is made from a single piece so that the penetration of dust or liquid (also at the mouse buttons) is eliminated.



Also within the area of other accessories like mounting systems we would like to advise you completely to obtain technique and necessary addition components from one hand.

Additional accessories include a comprehensive line of mounting systems. For your convenience, our technical staff is available to advise you on the ideal solution for your specific applications resulting in single source turnkey solutions.



Characteristics – Advantages/Benefits:

- small and robust
- portable and mobile
- shock and drop tested
- battery powered (2 batteries, hot swappable)
- WLAN, UMTS or GPRS option





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CUSTOMIZED SOLUTIONS – COMPETENCE, SERVICE AND DESIGN

INDIVIDUAL FITTING SOLUTIONS

Our longterm experience in the development of innovative PC technology and specialization in fanless systems make PENTA the perfect partner for the realization of all your special needs in the IT environment.

Our focus lies in the design and production of customized solutions and the implementation of dedicated applications for your need.



In addition, we offer a wide range of services, e.g. in the area of design, which extend our duties as a technology developer and producer. „Customized hardware solutions“ meet the precise individual requirements of the user.



Short development times and realization keeps the „time to market“ of the products to a minimum.