

# Medical i5 / i7

Disinfectable - Fanless - Maintenancefree - Modular



## Description / Applications

### Features :

- Modular high-end – Medical - Computer with Intel® i5 / i7 technology and complete closed housing (IP65)
- Disinfectable and washable, fanless, sterile, fail-safe and maintenancefree
- Durable and error-free even under critical environmental conditions
- Projected capacitive Touchscreen (PCT) with multitouch-function (Option)
- Plain and hygienic safe Front (IP65) in smart-phone design.
- Option : RFID, Barcode, Bluetooth, 1,3 MP Webcam and Wireless-LAN integrated
- Option : Free Slot PCIe 1x, 16x for eg. : Framegrabber, Optical Network (LWL) etc.
- Passive cooling concept **without** ventilation-slot and **without** fan
- Slim housing with especially plain surface, protected all around
- Medical suited mounting- and fastening concept with VESA 100 / 200 Norm
- Long term availability of components (min. 5 Years)

### Applications:

- Data acquisition, -allocation, -output
- Frontend for eg. OR - (surgery, anesthesia, radiology), air-locks, sterile good accommodation and clean-space
- Visualising / documentation
- PACS, HIS, PDMS, ultrasonic and endoscopy
- Dual-Head (illustration of two or more applications) in combination with Medical Monitor

### Options for MEDICAL Computer :

- Mountings for OR – carriers; walls, ceiling facilities etc.
- Wireless LAN, Framegrabber, LWL – cards and other components
- Medical keyboards and mice (IP65); Scanner and reader, speakers, DVD
- Internal wide range power-supply 110V-240V or optional 24V DC power-supply



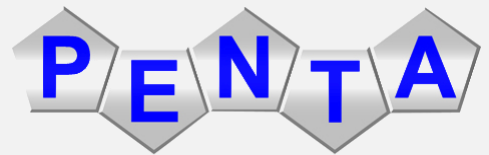
RFID



Multitouch



2D Imager / Barcode



Where Innovation Meets Quality

## Technical Data Medical i5 / i7 Series

### Systemdata:

CPU	Intel® i5 mit 2,4 GHz or Intel® i7 mit 2,66 GHz
Chipset	Intel® QM57
Cache	4096 kB
RAM	Up to 8 GB DDR (with 64 – bit Operating System)
Graphic controller	Intel® HD Graphics
Video memory	Up to 1024 MB (DVMT)
Storage Media	24 x 7 HDD (SATA) or industrial grade CF-Card
Display size	21,5" or 18,5" (16:9, widescreen)
Display resolution	1920 x 1080 (FullHD) or 1366 x 768 (on 18,5")
Weight	12,4 kg 11,1 kg

### Interfaces:

Touch	Projected capacitive Touch (PCT) with extended transparency and Multitouch-function
USB	4 x USB2.0 ; 1 x Service USB on the side (Covered; IP65)
Power supply	intern, fanless medical power-supply
Ethernet	2 x 10/100/1000BaseT
RS232	2 x serial (optional galv. isolated), 1 x serial
Video Interface	1x VGA , 2 x HDMI
PCIe-Card	1x PCIe X <sub>16</sub> or PCIe X <sub>1</sub>

### Operating Systems:

Windows	Windows 7; Windows XP; XP embedded
LINUX	Embedded Linux (on request; customized)

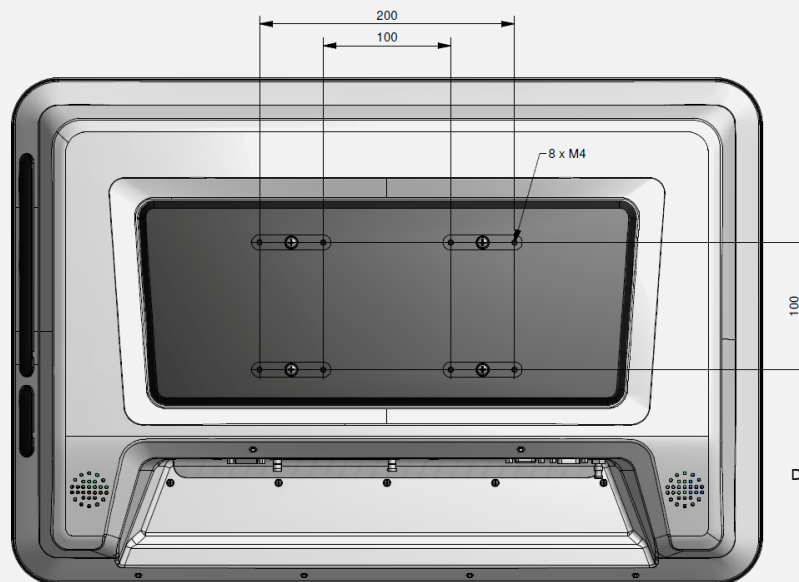
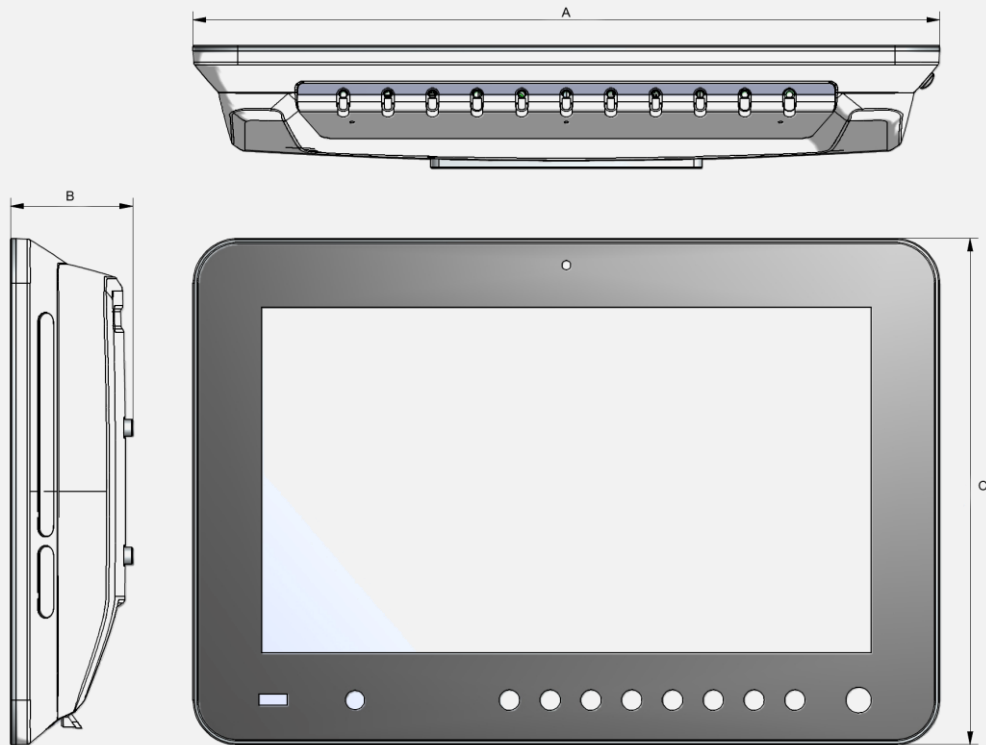
### Environment conditions :

Operating-Temperature	0°C to + 40°C
Storage-Temperatur	- 10°C to + 60°C
Humidity (Operating)	10% to 90% relative humidity (not condensing)
Humidity (Storage)	5% to 95% relative humidity (not condensing)

### PENTA MEDICAL PC Partnumbers :

part-No.	Description
MI5-21-240-02G	Medical 21",HD1080 (1920x1080), Intel i5 2,4 GHz, 24 x 7 HDD, 2GB RAM
MI7-21-260-02G	Medical 21",HD1080 (1920x1080), Intel i7 2,66 GHz, 24 x 7 HDD, 2GB RAM
ZUB-MI-TOU-002	Touchscreen for Medical i5 / i7
ZUB-MI-GLA-002	Glassfont for Medical i5 / i7

## Sizes Medical i5 / i7 Series



	A	B	C	D
18,5"	528,8	91,9	366,9	169,45
21,5"	588,8	89,5	398,9	169,45

All sizes in mm