

THA.leia³

Medical Panel PC



Universal use

Available in screen sizes 21,5", 24" and 27", with many processor / memory configurations and expandable through numerous options, THA.leia³ excels at controlling operating rooms, by **recording and displaying picture modalities**, at **displaying of vital and patient data**, in hygienically sensitive areas like **laboratories and pharmacies** or also as a device **for the mobile visit** on a cart.

Excellent picture quality

Not a matter of perspective: due to the wide viewing angle of 178°, the THA.leia³ **IPS-Display** delivers contrast-rich and color-stable images in a wide viewing range, supported by **anti-reflective and thermally pre-stressed glass**. The **optional Optical Bonding** improves the picture quality in difficult lightening conditions, also in conjunction with the optional projected capacitive **touch screen**.

Hygiene + safety

Easy to clean and no germ swirling during operation: thanks to the **closed glass front** and a **fan-less cooling concept**, THA.leia³ fulfills the highest hygienic standards. The optional galvanic isolation of serial and network interfaces provides additional **protection for patients and operators** during sensitive applications.

Performance + reliability

You can count on THA.leia³ even during **24/7 continuous operation**. The robust metal housing reliably protects the electronic parts and the use of certified industrial components guarantees high operational safety and high performance at the same time .

High connectivity

Thanks to numerous compatible **frame grabbers** or also via **network** (RJ45, optical fiber): medical devices can be connected with THA.leia³ for image recording or imaging. Various **WIFI modules** enable the wireless transfer or reception of data and thus the mobile use of the Panel PC. With the optionally integrable **RFID reader**, users can quickly and reliably log in or authenticate themselves.

Practical functions

The **ECO Mode** to save energy, the dimmable **LED reading light**, the **Touch lock** to avoid inputs during disinfection or the optional **LCD Power Adapter** to connect a second display OMNI.view²: THA.leia³ provides many useful additional functions and options. The **sensitivity and lightening of the function keys** can be customized to the user and the application.

Computer

- Intel® Core™ i3/i5/i7/i9, 9th Generation, Intel® Celeron® processor
- up to 32GB RAM, DDR4 SO-DIMM
- up to 2 data drives (HDD, SSD, M.2 NVME) for 24/7 continuous operation
- PCIe x16 extension slot for frame grabber, optical fiber card etc.
- Realtek ALC671 5.1 HD Audio
- Windows® 10, IGEL®OS support

Power Supply Variants

- internal 250W, 90-264VAC, 12V
- external 160W, 90-264VAC, 12V
- Open end cable, 1,8m

Display

- 1920 x 1080 Pixel, Full HD
 - IPS-technology
 - 178° viewing angle (h/v)
 - 250cd/m² brightness
 - optional: PCAP Touch Screen
 - optional: Optical Bonding
- ### Housing
- 3mm front glass, thermally pre-stressed
 - aluminium / stainless steel, powder-coated
 - IP65 (front) + IP54 (rear) protection, passive cooling (heatpipes)
 - VESA100 interface
 - 1x potential equalization (DIN 42801)

Interfaces (standard, rear I/O)

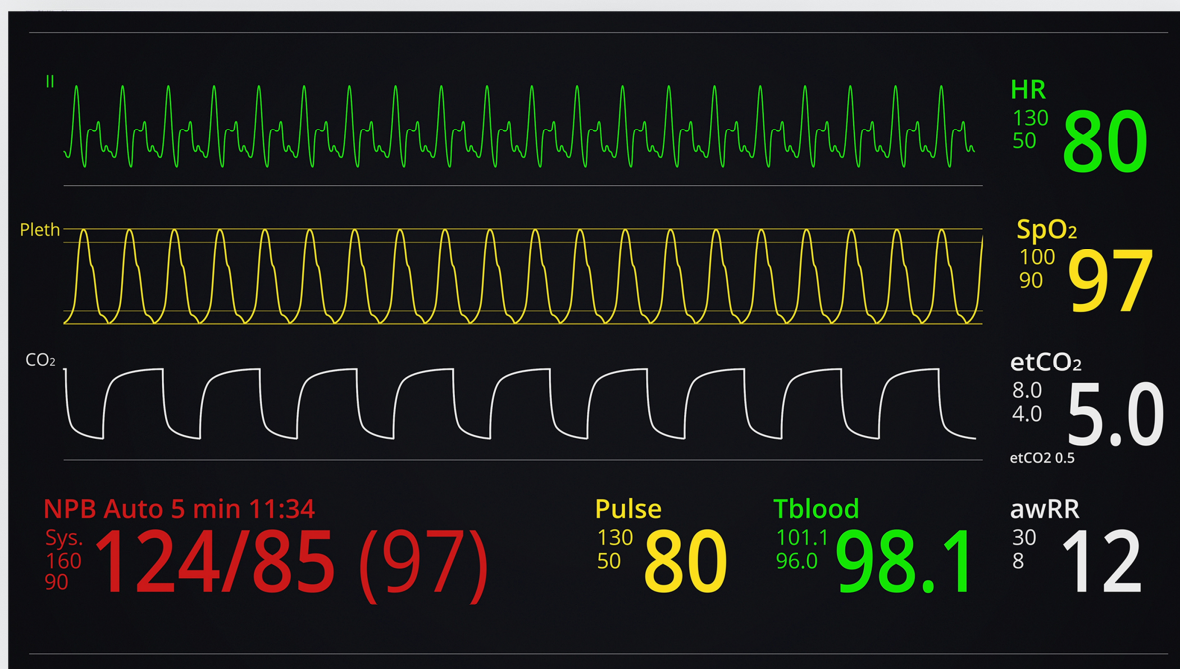
- 2x USB 3.1 Gen 2, 2x USB 3.1 Gen 1, 4x USB 2.0
- 1x RS-232
- 2x LAN (RJ-45)
- 2x PS/2 (mouse, keyboard)
- 2 x DP V1.2, 1x DVI-D Video Out
- 1x Line In, 1x Line Out Audio

Interfaces (optional)

- up to 4x RS-232, optional galvanically isolated (4kV)
- IP65 mechanical vibration speaker
- LCD Power Adapter to connect OMNI.view² Displays



THA.leia



Wireless options

- RFID (LEGIC®, MIFARE®,...) reader
- different WIFI modules
- Bluetooth® interface

Front Interface

- USB 3.0 for direct access, optional lockable

Function keys

- dimmable LED reading light
- touch lock for cleaning
- ECO Mode reduces energy costs and extends operational lifetime
- On-Off-Switch
- Lightening and sensitivity of the function keys individually configurable

Operating conditions

- +10°C .. +34°C temperature
 - 10% .. 85% humidity, non-condensing
- ### Storage-/Transport conditions
- -20°C .. +60°C temperature
 - 10% .. 85% humidity, non-condensing

Dimensions (WxHxD)

- 21,5": 543 x 348 x 90mm 10kg*
 - 24": 595 x 379 x 90mm 12kg*
 - 27": 677 x 431 x 90mm 14kg*
- *depending on configuration

Weight

Product conformity

- CE
- EN60601-1 / EN60601-1-2
- RoHS, REACH, WEEE