

# OR-PC® 18

24/7 operation in medical and hygienically critical areas



The OR-PC®, with its completely enclosed and fanless design, can be disinfected easily and has been specially developed for continuous operation in medical applications. It is characterized by an extremely high degree of customization and flexibility, is exceptionally robust, durable, maintenance-free and perfectly engineered to the high demands of clinics and practices.

## Fields of application

- + ICU, IMC, ORs
- + PDMS and CIS applications
- + preparation and recovery room



## OR-PC® 18

### Intel® Core™ Generation 11

#### Technical Data

| Product Description |                                                                                                             |
|---------------------|-------------------------------------------------------------------------------------------------------------|
| Design              | fanless compact PC developed for 24/7 operation in the patient environment optimized for convection cooling |
| Housing             | ultra slim CNC milled aluminium housing with internal power supply unit                                     |
| Cooling             | cooling system developed by ACL without any mechanically moving parts and maintenance-free                  |
| Cleaning            | wipeable exterior surfaces with commercially available disinfectants (based on German RKI list)             |

| Standard Conformity |                                                                      |
|---------------------|----------------------------------------------------------------------|
| IEC 60601-1         | electrical safety for devices in the medical environment             |
| IEC 60601-1-2       | electromagnetic compatibility for devices in the medical environment |

| Suitable Ambient Conditions | Operation                 | Storage                     |
|-----------------------------|---------------------------|-----------------------------|
| Temperature                 | 0 to 40 °C / 32 to 104 °F | -10 to 60 °C / 14 to 140 °F |
| Humidity                    | 10 to 90 % non-condensing | 5 to 70 % non-condensing    |

| Properties                      | Standard                                                                                   | Options                                                                |
|---------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| Lacquering                      | light grey RAL 7035                                                                        | germ-reducing nanolacquering, other color tones in conformity with RAL |
| Protective Glass                | Corning® Gorilla® Glass with Anti-Reflect-Coating (AR) and Anti-Fingerprint-Coating (AF)   |                                                                        |
| Dimensions (W x H x D)          | (448 x 308 x 61) mm                                                                        |                                                                        |
| Mounting                        | integrated VESA-100 interface                                                              | extensive mounting solutions available as accessories                  |
| Weight                          | approx. 6,0 kg                                                                             |                                                                        |
| Power Supply                    | (100 - 240)V, (50 - 60)Hz, integrated PSU                                                  | 12 V / 24 V DC, external PSU                                           |
| Frontal Illuminated PCAP Keypad | ON/OFF button, brightness control, ON/OFF button for backlight, key for on-screen keyboard | customized keypad options available                                    |

| Displaymodule     | Standard                                                            | Options                                                   |
|-------------------|---------------------------------------------------------------------|-----------------------------------------------------------|
| Display           | 18,5"-TFT-Display with Full-HD resolution und full protective glass |                                                           |
| Colour Depth      | 16.7 million colours                                                |                                                           |
| native Resolution | (1920 x 1080) Pixel                                                 |                                                           |
| Contrast Ratio    | 1000:1                                                              |                                                           |
| Brightness        | 500 cd/m²                                                           |                                                           |
| Viewing Angle     | 178°/178°                                                           |                                                           |
| Input Devices     | Standard                                                            | Options                                                   |
| Touchscreen       | -                                                                   | PCAP-Touchscreen (10-Finger Multitouch / Mouse Only Mode) |
| RFID Reader       | -                                                                   | integrated Basic-Module / integrated Legic-Module         |
| Barcode Scanner   | -                                                                   | integrated 2D-Module with separate Scan-Button            |
| Webcam            | -                                                                   | integrated 5,04 Megapixel camera module mit Auto-Focus    |

| Computermodule         | Standard                                                                                                             | Options                                                             |
|------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| Mainboard              | long-term availability industrial mainboard, mITX standard for easy mainboard module replacement and system upgrades |                                                                     |
| CPU Architecture       | Intel® Generation 11 (Tiger Lake)                                                                                    |                                                                     |
| CPU                    | Intel® Core™ i5-1145GRE, Quad Core, 8M Cache, 1.5GHz (4.1GHz), 15W                                                   | Intel® Core™ i7-1185GRE, Quad Core, 12M Cache, 1.8GHz (4.4GHz), 15W |
| Graphics               | Intel® Iris® Xe Graphics                                                                                             |                                                                     |
| RAM                    | 8GB DDR4                                                                                                             | 16 / 32 / 64 GB DDR4                                                |
| Mass Storage           | 128GB m.2 NVMe SSD                                                                                                   | 256 / 512 GB; 1/2 TB NVMe SSD                                       |
| Connectivity           | Standard                                                                                                             | Options                                                             |
| Ethernet               | 2x (10/100/1000)Mbps with RJ45-Connector<br>1x (10/100/1000/2500)Mbps with RJ45-Connector                            | 4kV-RJ45-network decoupling                                         |
| Wi-Fi + Bluetooth      | -                                                                                                                    | Wi-Fi + Bluetooth module with integrated antennas                   |
| Second Screen          | 2x DP+/HDMI Comboport                                                                                                |                                                                     |
| USB                    | 4x USB3.1 Gen. 2 (Typ A)<br>1x USB3.1 Gen. 2 (Typ C) mit DP Alt-Mode und 15W Power Delivery                          | +2x USB2.0 (Typ A)                                                  |
| Audio                  | -                                                                                                                    | 1x Line-out + 1x Mic-In; integrated electrodynamic exciter          |
| Serial                 | -                                                                                                                    | up to 2x RS232, of which up to 1x 4kV-decoupled                     |
| potential equalization | integrated                                                                                                           | -                                                                   |

| Accessories/software | Standard           | Options                                                                                                                                           |
|----------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Accessories          | manual, power cord | wide range of adapters and cables available, sets made of short-stroke keyboard and mouse easy to disinfect, 2 m cable for potential equalization |
| Operating System     | ohne               | Microsoft Windows 11 Pro OEM, Microsoft Windows 10/11 IoT                                                                                         |

| Warranty | Standard  | Options         |
|----------|-----------|-----------------|
| Duration | 24 months | up to 60 months |

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