

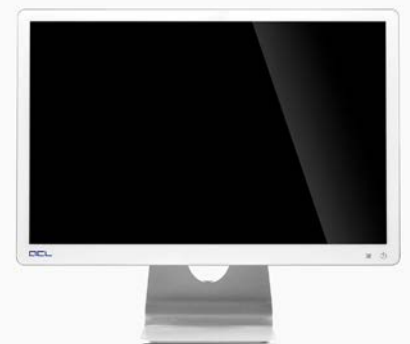
OR-PC® 27

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



| Product description | |
|---------------------|--|
| Design | fanless compact PC developed for 24/7 operation in the patient environment and enhanced for convection cooling |
| Housing | compact housing for the PC, display and power supply unit in an extremely robust lightweight metal design |
| Cooling | special zone cooling system developed by ACL without any mechanically moving parts and maintenance-free |
| Cleaning | wiping all exterior surfaces with commercially available disinfectants |

| Suitable ambient conditions | Operation | Storage |
|-----------------------------|---------------------------|---------------------------|
| Temperature | 5 to 40 °C / 41 to 104 °F | 0 to 60 °C / 32 to 140 °F |
| Relative humidity | 10 to 90 % non-condensing | 5 to 95 % non-condensing |

| Standard conformity | |
|-----------------------------|---|
| IEC 60601-1: 2012 (Ed 3.1) | medical electrical equipment - general requirements for basic safety and essential performance |
| IEC 60601-1-2: 2014 (Ed. 4) | medical electrical equipment - general requirements for basic safety and essential performance collateral standard - electromagnetic compatibility - requirements and tests |

| Panel description | Standard equipment | Options |
|------------------------|--|--|
| Lacquering | light grey RAL 7035 | germ-reducing nanolacquering, other color tones in conformity with RAL |
| Protective panel | aluminosilicate glass with anti-reflection coating (AR) and anti-fingerprint coating (AF) | |
| Dimensions (W x H x D) | ca. 652 x 424 x 64 mm / ca. 26 x 17 x 3 inches | |
| Standard mounting | built-in VESA-100 interface | extensive mounting solutions available as accessories |
| Weight | ca. 10 kg / / ca. 22 lbs | customized design available depending upon equipment |
| Power supply unit | 90-240 V / 50 / 60 Hz / 110 W internal | wide-range 12-24 V direct current input |
| UPS | none | external UPS possible |
| Front keypad | on/off button for PC and separately for screen, status LEDs for storage device, display brightness | customized keypads and display with special functions |

| Computer module | Standard | Options |
|--------------------|--|------------------------------------|
| Mainboard | long-term availability industrial mainboard, mITX standard for easy mainboard module replacement and system upgrades | |
| Processor platform | Intel® Skylake | Intel® Kabylake |
| Processor | Intel® Celeron® up to 2.0 GHz | Intel® Core™ i5 / i7 up to 3.9 GHz |
| RAM | 8 GB | up to 32 GB |

| Display module | |
|-------------------|--|
| Display typ | 27" TFT display with Full-HD resolution and full glass front |
| Color depth | 16.7 millions colors |
| Native resolution | 1920 x 1080 px |
| Contrast ratio | 1000:1 |
| Luminance | 300 cd/m² |
| Viewing angle | 178°/178° |
| Response time | 14 ms (G-to-G) |
| Graphics | Intel® HD graphics GT-series |
| Optional features | PCAP touchscreen, optical bonding |

| Network access | Standard | Options |
|----------------|--|---|
| Ethernet | 2x 10/100/1000 MBit with RJ45 connection (not decoupled) | 100/1000 MBit glass-fiber connection, WLAN/WiFi RJ45-network decoupling |

| Interfaces | Standard | Options |
|------------------------|--------------------------------------|--|
| Second screen | 1x HDMI, 1x DP | external ACL MD displays for multiple-screen solutions |
| Serial | 1x RS232 (gp01 D-SUB, not decoupled) | up to 6x RS232 (optional decoupling) |
| USB | 4x USB 3.0 (not decoupled) | 2x USB 2.0 (max. 2 decoupled) |
| Slots | PCIe x4 (Gen. 3) | integration of grabbercards |
| Audio | onboard sound, mic in, line out | body-impact-speaker optional |
| Input units | for USB keyboard and USB mouse | e.g. RFID reader, web camera, barcode reader |
| potential equalization | onboard | |

| Bulk storage | Standard | Options |
|---------------|---------------------------|-------------------------------|
| Hard disc | 120 GB (mSATA SSD or M.2) | up to 2 TB (mSATA SSD or M.2) |
| Optical drive | none | internal DVD-R/W via USB |

| Accessories/software | Standard | Options |
|----------------------|--------------------|---|
| Accessories | manual, power cord | wide range of adapters and cables available, sets made of short-stroke keyboard and mouse that are especially easy to disinfect, cable for potential equalization 2 m long, cable cover |
| Operating system | none | Windows 7, Windows 10, Linux |

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