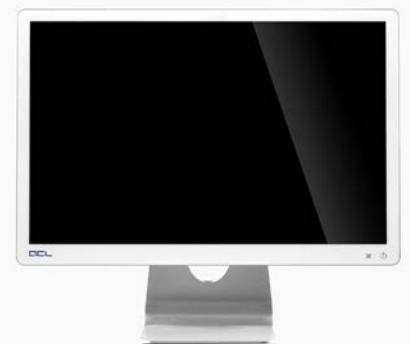# **OR-PC®** 27 4K

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

Made
In
Germany

OR-PC® 27 4K

Technical data

Distribué en France par : NICONIX | ZAC Pôle Actif | 2D, allée du Piot | 30660 Gallargues-Le- Montueux | France
Standard : 04 66 74 18 73 | Fax : 04 66 74 36 84 | E-Mail : niconix@niconix.com | Web : www.niconix.fr

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 Ultra-HD resolution and full glass front
Color depth	16.7 millions colors
Native resolution	3840 x 2160 px
Contrast ratio	1000:1
Luminance	350 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 (9pol 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