

OR-PC® Box

compactness with full computing power



The OR-PC® Box is the most compact version of the series and is supplied without an integrated display. It is the solution for connecting external monitors. The compact OR-PC® nevertheless offers full computing power and provides an extremely high degree of individualisation and flexibility.

Fields of application

- + ICU, IMC, ORs
- + preparation and recovery room
- + high hygienically critical areas



OR-PC® Box

Technical data

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

PC description	Standard equipment	Options
Lacquering	light grey RAL 7035	germ-reducing nanolacquering, other color tones in conformity with RAL
Dimensions (W x H x D)	ca. 207 x 80 x 250 mm / ca. 8.2 x 3.1 x 9.8 inches	
Standard mounting	built-in VESA-100 interface	extensive mounting solutions available as accessories
Weight	ca. 4.3 kg / ca. 9.5 lbs	customized design available depending upon equipment
Power supply unit	90-260 V / 12 V / 100 W external	

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
Hard disc	120 GB (mSATA SSD or M.2)	up to 2 TB (mSATA SSD or M.2)

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
Additional screen	1x HDMI, 1x DP	external ACL MD displays for multiple-screen solutions
Video signal input	none	HDMI, SDI, DVI
Serial	1x RS232 (gp01 D-SUB, not decoupled)	up to 2x 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	
potential equalization	onboard	

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
Operating system	none	Windows 7, Windows 10, Linux

Warranty	Standard	Options
Duration	24 months	up to 60 months

Note: Not all options can be combined with one another. Other equipment available upon request. We reserve ourselves the right to make changes for technical advancement. ACL OR-PC® Box EN © 05.20 by ACL GmbH