OR-PC®-24-WL

8th Gen Intel® Core™
24" Medical All in One Panel PC

KEY FEATURES

24" 1920 x 1200 TFT Panel
Full glass front (16.7 millions colors)

IP65 Front Panel
IP65 Water/Dust-proof

Antibacterial Coating
Additional Antibacterial Coating (option)

Fanless Design
Fanless and completely enclosed design

Medical Certification
UL, IEC 60601-1: 2012 , IEC 60601-1-2: 2014

Various Display Size

Fields of Application

- Intensive care unit
- Intermediate care (ITS/IMC/ICU)
- Operating theatres
- Intervention areas
- Inlet and outlet rooms
- Recovery room
- Mobile ward round, PDMS
- Areas with high hygienic requirements
- Clean rooms
- Pharmacies
- Veterinary medicine

DFI | Design For Innovation

SPECIFICATION

SYSTEM	**Processor**	8th Generation Intel® Core™ Processors, BGA 1528 Intel® Core™ i7-8665UE, Quad Core, 8M Cache, 1.7GHz (4.4GHz), 15W Intel® Core™ i5-8365UE, Quad Core, 6M Cache, 1.6GHz (4.1GHz), 15W Intel® Core™ Celeron® 4305UE, Dual Core, 2M Cache, 2.0GHz (2.0GHz), 15W	
	Memory	2 x 260-pin SODIMM up to 64GB RAM DDR4 2400MHz/DDR4 2133MHz (for Celeron 4305UE)	
	BIOS	AMI SPI 128Mbit	
DISPLAY AND TOUCH SCREEN	**Display**	24" TFT display with full glass front (16.7 millions colors; 1920 x 1200 px)	
	Brightness	300 cd/m²	
	Contrast	1000:1	
GRAPHICS	**Controller**	Intel® UHD Graphics 620/ Intel® UHD Graphics 610 (for Celeron 4305UE)	
	Feature	OpenGL 4.5, DirectX 12, OpenCL 2.1 HW Decode: H.264/AVC, VP8, VP9, VP9 10 Bit, H.265/HEVC 8 bit, H.265/HEVC 10 bit, MPEG2, MJPEG, VC-1 HW Encode: H.264/AVC, VP8*, VP9*, H.265/HEVC 8 bit, H.265/HEVC 10 bit, MPEG2, MJPEG (*VP8 and VP9 encode is not supported by Windows OS)	
	Display	2 x DP++/HDMI (auto-detection)	DP++: resolution up to 4096x2304 @ 60Hz HDMI: resolution up to 4096x2160 @ 30Hz
STORAGE	**External/Internal**	Up to 2 TB m.2 SSD	
AUDIO	**Audio Codec**	Realtek ALC888S-VD2-GR	
ETHERNET	**Controller**	1 x Intel® I210AT PCIe (10/100/1000Mbps) 1 x Intel® I219LM PCIe with iAMT11.6 and vPro (10/100/1000Mbps) (only Core i7/i5 supports iAMT)	
LED	**Indicators**	1 x on/off button for PC 1 x on/off button for touchscreen / backlight 2 x brightness control buttons 1 x status LED for storage device	
I/O	**Ethernet**	2 x GbE (RJ-45): optional decoupled / isolated	
	USB	4 x USB 3.1 Gen2: optional decoupled / isolated	
	Display	2 x DP++/HDMI (auto-detection)	
	Audio	1 x Line-out 1 x Mic-in	
	Buttons	1 x on/off button for PC 1 x on/off button for touchscreen / backlight 2 x brightness control buttons	
WATCHDOG TIMER	**Output & Interval**	System Reset, Programmable via Software from 1 to 255 Seconds	
POWER	**Type**	Internal power supply unit: 100-240VAC, 50/60Hz, max. 110W	
OS SUPPORT	**OS Support (UEFI Only)**	Windows 10 (64-bit) Yocto Project Fedora 24 (Intel Graphics Driver available) Linux	
ENVIRONMENT	**Operating Temperature**	0 to 40°C	
	Storage Temperature	-10 to 60°C	
	Relative Humidity	Operating: 10 to 90% RH (non-condensing) Storage: 5 to 70% RH (non-condensing)	
MECHANISM	**Construction**	Fanless, milled aluminium housing without openings and thin aluminosilicate glass	
	IP Rating	IP65 Front Panel Protection IP31 PC unit IP54 with cover for input / output (option)	
	Mounting	VESA 100 Mount	
	Dimensions (W x H x D)	ca. 565 x 401 x 58 mm / ca. 22 x 16 x 2 inches	
	Weight	ca. 8.8 kg / ca. 19 lbs	
STANDARDS AND CERTIFICATIONS	**Certifications**	UL, CE IEC 60601-1: 2012 (Ed 3.1) IEC 60601-1-2: 2014 (Ed. 4)	

OPTIONAL ITEM

Optional Items	Part Number
Wall-station mounting	TBD
Cable cover	TBD
Keyboard shelf	TBD
Table stand	TBD
Mouse and keyboard	TBD
Mounting/wall bracket	TBD