SEAL WMP-22T / WMP-24T Aluminum PPC

Fanless medical panel PC with 21.5″ and 23.8″ display and
12th Generation Intel® Core™ CPU

BRESSNER
A ONE STOP SYSTEMS COMPANY

Features

- 21.5″ and 23.8 ″FHD AHVA medical panel PC
- Intel® Core™ i7 /i5/i3 12th generation CPU
- Resolution up to 19280 x 1080
- IP65 on the front and IP54 on the back
- Antibacterial aluminum housing

SEAL WMP-24T Aluminum *SEAL WMP-22T Aluminum*

High-performance Panel PC for medical use in operating rooms

These 21.5-inch and 23.8-inch medical aluminum panel PCs have been specially developed for use in operating rooms to meet the requirements of modern medical applications such as endoscopic and robot-assisted surgery. The elegant, antibacterial aluminum housing offers comprehensive protection and is fully waterproof to IP65 standard, allowing easy cleaning and disinfection. Thanks to the integrated power supply and the special design, a safe and clean installation is guaranteed, optimizing the operating procedure in the OR.

Robust and hygienic – perfect for use in the OR

The Panel PCs have a special antimicrobial housing that resists surface contamination such as MRSA and are certified according to the latest medical standards UL/cUL 60601-1 (MDR) and IEC60601-1. These certificates confirm safe use in areas close to patients. With a 21.5-inch or 23.8-inch FHD MVA/AHVA diagnostic panel and a resolution of 1920 x 1080, the Panel PCs offer brilliant and detailed visualizations for real-time surgical images.

Powerful functions for demanding medical applications

The Panel PC series is equipped with 12th generation Intel® Core™ processors (i3/i5/i7), which provide strong performance and support for Intel® Vpro technology – ideal for intelligent remote management of software in the hospital. The PC supports real-time video streaming in FHD to meet the demands of surgical imaging in ORs. With two DisplayPort outputs and a unique video input function, the Panel PC is compatible with medical acquisition devices for all types of minimally invasive procedures.

Apperance

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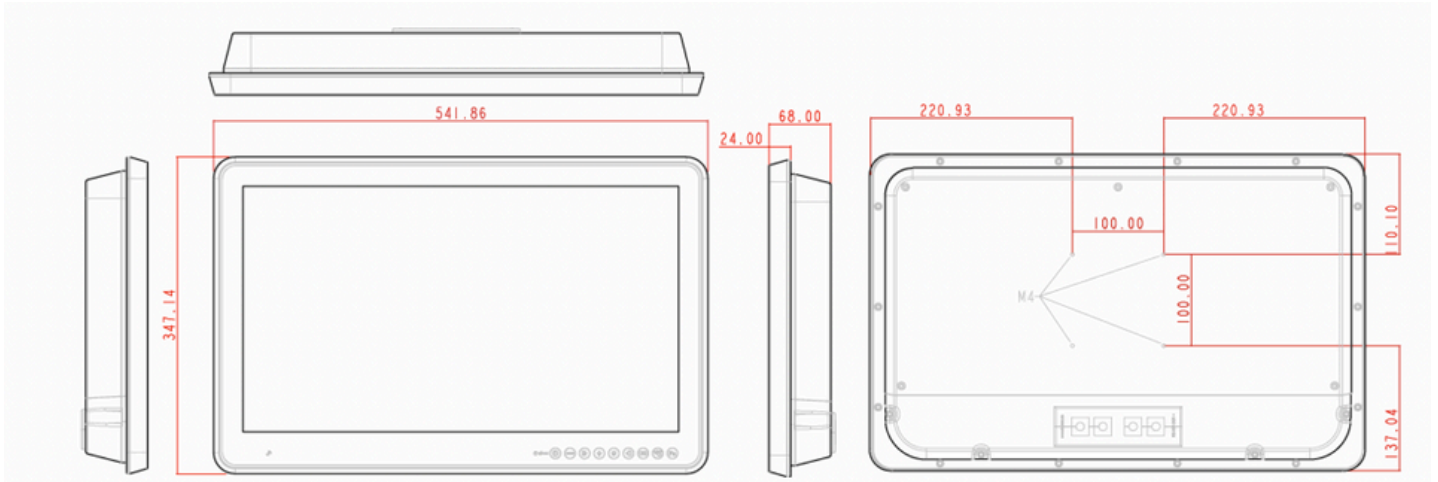12th Generation Intel® Core™ CPU

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	SEAL WMP-22T Aluminum	SEAL WMP-24T Aluminum
SYSTEM		
CPU	FCBGA1744 12th generation Intel® Core i7/i5/i3 and Celeron processor (35W max.)/ SoC	
Graphics	Intel® Iris Xe graphics (i7/i5 CPU) or Intel® UHD graphics (i3 CPU)	
RAM	2x DDR5 SO-DIMM 4800MHz socket, supports Dual Channel, non-ECC, up to 64GB	
Storage	1x M.2 M-Key 2280 with PCIe x4 for SSD 1x 2.5″ SATA III SSD/HDD drive bay	
Expansions	1x PCIe x4 (PCIe x4 Signal) 1x M.2 E Schlüssel 2230	
Operating System	Optional Windows 10 IoT Enterprise LTSC 64bit or Windows 11 IoT Enterprise GAC 64bit	
DISPLAY		
Display Size	21.5″ (54.6cm)	23.8″ (60.5cm)
Resolution	1920 x 1080 (Full HD)	1920 x 1080 (Full HD)
Touchscreen	Projected capacitive multi-touch panel	Projected capacitive multi-touch panel
Brightness	250 nits	400 nits
Aspect Ratio	16:9	16:9
INTERFACE		
Ethernet	1x RJ-45 1Gbps Intel® I219LM (AMT/Vpro) 1x RJ-45 2.5Gbps Intel® I226V	
USB	4x USB 3.2 Gen 2	
COM	1x RS-232/422/485 1x RS-232	
Video	1x DP 1.4a/DP++ 1x HDMI 2.0b 1x HDMI-in (without audio) ; support in S5 mode	
Audio	3.5 mm jack connection * 2 (line-out, mic-in)	
ENVIRONMENTAL		
Enclosure	Back: Aluminum alloy body / white (touch)	
Cooling	Fanless design	
Power Supply	AC input 100 ~240V / 47 ~ 63 Hz DC output 24V 250W (MBU-250-108)	
Operating Temperature	0℃~35℃ (IEC60068-2-78)	
Storage Temperature	-20℃ ~ 60℃	
Humidity	10% ~ 90% non-condensing	
Dimensions	541.9 (H) x 347.1 (W) x 68mm (D)	580 (H) x 350 (W) x 68mm (D)
Weight	9.2 kg	10.5 kg
Mounting	VESA mounting 100 x 100mm	
IP Rating	Front IP65 Rear IP54 with optional cable cover	
Certifications	CE: EN 60601-1-2:2015(V4.1) EN 60601-1: 2006/A2:2021;IEC 60601-1:2005, IEC 60601-1:2005/AMD1:2012, IEC 60601-1:2005/AMD2:2020 UL: AAMI ES60601-1:2005/(R)2012 and A1:2012/(R)2012 and A2:2021) (according to project) cUL: CAN/CSA-C22. 2 No. 60601-1:14) (according to project) VCCI: 2016-11, Class B / FCC:Part 18 Class B / ISO 14971	CE: EN 60601-1-2:2015(V4.1) (Declaration of Conformity) EN 60601-1: 2006/A2:2021; IEC 60601-1:2005, IEC 60601-1:2005/AMD1:2012, IEC 60601-1:2005/AMD2:2020 (after project) VCCI: 2016-11, Class B (Declaration of Conformity) FCC: Part 18 Class B (Declaration of Conformity) / ISO 14971 / IEC62133 (By project) UL: AAMI ES60601-1:2005/(R)2012 and A1:2012/(R)2012 and A2:2021) (According to project) cUL: CAN/CSA-C22.2 No. 60601-1:14) (According to project)

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Technical drawing (mm) - 21.5"

Technical drawing (mm) - 23.8"