WMP-24S

Medical AI Panel PC



Features

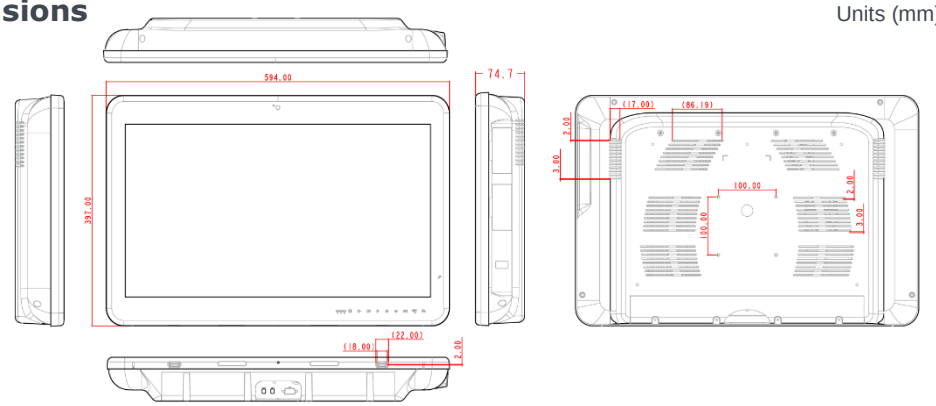
- Anti-Bacteria (MRSA) Plastic Housing
- 23.8" Full HD (1920 x 1080) MVA Diagnostic Panel
- Intel® 12th /13th /14th gen. Core™ Series 2 i7/i5/i3 CPU (35W Max.)
- Supports Dual Channel DDR5 up to 96GB
- P.cap Multi-touch screen (10 fingers)
- Optional Independent Nvidia A4500 graphic with 16GB dedicated video memory
- Video in port with RGB Color adjustment function
- Support MECM, DFCI & Autopilot

Specification

Model	WMP 24S IP0A (STD)	WMP 24S IP0B (ISO)
Main System		
CPU / Chipset	LGA1700 package Intel® 12th /13th /14th generation Core™ Series 2 (Code name: Bartlett Lake-S) i7/i5/i3 processor (35W max.) / Intel® Q670E Chipset	
Graphic	Intel® integrated UHD Graphics 770 by CPU	
RAM	Two 5600 MHz DDR5 SODIMM socket support dual Channel, non-ECC, up to 96GB	
OS Support	Windows 10 IoT LTSC 2021 (64bit) / Windows 11 IoT GAC (64bit)	
Storage	M.2 M.Key 2280 PCIe X 4 SSD (Support NVMe SSD up to 1TB) M.2 B/M Key, (2280) with PCIe x1 PCIe/SATA/USB	
Expansion	M.2 E key 2230 x 1, M.2 B/M Key, (2280) with PCIe x1 PCIe/SATA/USB PCI-E x 4 expansion slot x 1 (40W max)	
Display Size	23.8" LED Backlight	
Display	1920 x 1080 (Full HD), 16.7M colors, 178(H) / 178(V), 250 nits (Typ.), CR: 3000 : 1 (Typ)	
Touch Screen	Projected Capacitive Multi-Touch Panel (10 fingers) / Light Transmission: ≥ 85% / Hardness: ≥ 7H pencil, pressure 765g/45° / Life: 50000	
I.O. Ports		
USB	4 x USB 3.2 Gen II (Type A) 1 x USB 3.2 II (Type C, Support DP 1.4a display output; 5V/3A power output)	4 x USB 3.2 Gen II (Type A) 1 x USB 3.2 II (Type C, Support DP 1.4a display output; 5V/3A power output)
COM	1 x RS232/RS422/RS485, 1 x RS232	1 x ISO RS232/RS422/RS485
LAN	1 x Intel® I219LM with 10/100/1000 Mbps, support AMT / vPro 1 x Intel® I226V with 10/100/1000/2500 Mbps	1 x Intel® I219LM with 10/100/1000 Mbps, support AMT / vPro 1 x Intel® I226V with 10/100/1000/2500 Mbps, 1 x ISO RJ45
Audio / Video	3.5mm phone jack connector * 2 (Line-out, Mic-In) DP 1.4a/DP++ x1, HDMI 2.0b x 1, HDMI-in x 1 (Without Audio), 2 x 2-watt Speakers	
Hot Key (R to L)	Power Button// Audio adjustment // brightness // Reading Light // LCD on/off // Clean me // Programming Function Key	
Mechanical and Environmental		
Cooling	Fan	
Power Input	DC 14~19V input	
Power Adapter	AC input 100 ~240V / 47 ~ 63 Hz / DC output 19V / 250W (MPU250A-107 W/PSE)	
Temperature	Operating Temperature: 0~40℃ (IEC60068-2-78) Storage Temperature: -20~60℃	
Humidity	Operating & Storage:10 ~ 90%, non-condensing	
IP Rating / Housing	IP65 (Front Side), IPX1 for whole system / Plastic White w/Anti-bacteria (MRSA)	
Dimensions (Net)	594.0mm (H) x 397.0mm (V) x 74.7mm (T)	
Weights (Net)	9 kg (w/o power adapter)	
Mounting	Optional Stand, VESA 100	
Certification ***(All regulation with CPU i7-13700TE and Nvidia A4500 graphic MXM module)***	CE: EN IEC 60601-1-2:2015/A1:2021(Ed 4.1) EN 60601-1: 2006/A2:2021;IEC 60601-1:2005, IEC 60601-1:2005/AMD1:2012, IEC60601-1:2005/AMD2:2020 VCCI: 2016-11, Class B (PSU/Battery with PSE) / FCC: Part 18 Class B UL: AAMI ES60601-1:2005/(R)2012 and A1:2012/(R)2012 and A2:2021 By Project cUL: CAN/CSA-C22.2 No. 60601-1:14 By Project / IEC62133	

Dimensions

Units (mm)

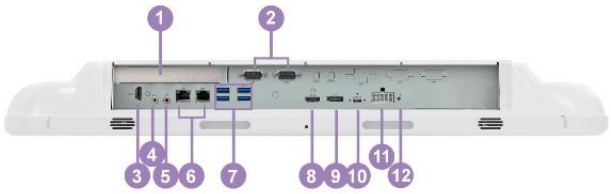


Major Options	
Options	1. 802.11 be WLAN + Bluetooth module (Wifi-7) 2. Auto focus 5M pixel webcam module 3. RFID (13.56MHz) with single sign on function 4. TPM 2.0 module 5. PCIe x 4 riser card 6. Full HD capture card & 4K SC710N1 M2 12G SDI capture card / SC710N1-L HDMI2.0 7. Battery pack (100W max) (DR-202 series) (100min battery life by PCmark test condition) 8. Equipotential terminal pin 9. AG film (Can't co-exist with DICOM) 10. USB 2.0 (Type A) x 2 at side 11. Smart card reader at side or CAC / PIV Reader (FIPS-201) 12. USB 2.0 x 2 (USB 5,6) 13. RS-232 x 2 (COM 3,4) for standard configuration 14. DICOM part 14 compliance module Max. Error Ratio less than 20% (optional order configuration) 15. Independent Nvidia MXM A4500/A2000/A1000 / RTX PRO 4000/2000/500 GPU 16. GPIO capture card control solution 17. Windows 10 IoT LTSC 2021 (64bit) / Windows 11 IoT GAC (64bit)
Accessory	1. Cable clean IO cover 2. WMP series stand, VESA 100
Customization	1.Tempered glass

Order Information

Item	Configuration
WMP-24S-IP0A-i5	Core i5-13500TE 1.30GHz / DDR5 8G RAM / M.2 128G SSD / Full flat P.cap touch / STD (Support vPro® Enterprise)
WMP-24S-IP0A-i7	Core i7-13700TE 1.10GHz / DDR5 8G RAM / M.2 128G SSD / Full flat P.cap touch / STD (Support vPro® Enterprise)
WMP-24S-IP0B-i5	Core i5-13500TE 1.30GHz / DDR5 8G RAM / M.2 128G SSD / Full flat P.cap touch / ISO (Support vPro® Enterprise)
WMP-24S-IP0A-5	Core 5 223PTE 2.30 GHz, DDR5 8G RAM, M.2 128G SSD, Full flat P.cap touch / STD (support Intel vPro® Enterprise)

I/O port (standard)



1. PCI-E expansion
2. COM x 2
3. Video-in x1
4. Line-out
5. Microphone-in
6. LAN x 2
7. USB3.2 gen II x 4
8. HDMI out x 1
9. DP out x 1
10. Type C DP x 1
11. DC-in
12. Reset



WMP-24S I.O. Cover

