



Features

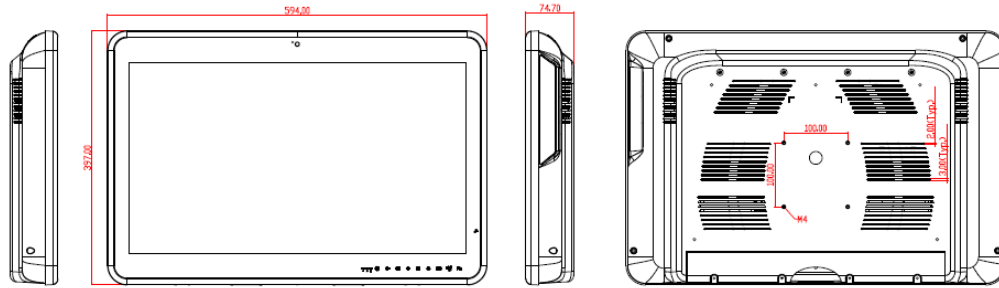
- Intel® 8th/9th Generation Core i7/i5 CPU
- 23.8" 16:9 1920 x 1080 FHD Diagnostic Panel
- Medical Latest EN/UL 60601-1 & 60601-1-2 Certifications
- Anti-bacteria Hospital White Plastic Housing
- Front IP65 Ingress Protection & IPX1 Whole System
- Optional Independent NVIDIA A2000 graphic with 8GB dedicated video memory; NVIDIA T1000 graphic with 4GB dedicated video memory
- Optional PCIe Expansion
- Optional 4kV isolated I/O ports (LAN, COM & USB)

Specification

Model	WMP 24K IP0A (STD)	WMP 24K IP0B (ISO)
Main System		
CPU / Chipset	LGA1151 package 9th/8th generation Intel® Core i7/i5/i3/Pentium/Celeron processor (35W) Intel® Q370 Chipset	
Graphic	Intel® integrated HD Graphics 630 by CPU	
RAM	Two 2666MHz DDR4 SODIMM socket support dual Channel, non-ECC, up to 64GB	
OS Support	Windows 10 IoT Enterprise LTSC, Windows 11 IoT Enterprise GAC	
Storage	1 x M.2 M.Key 2280 SSD Up to 1TB 1 x 2.5" SATA III HDD Up to 2 TB	
Expansion	1 x PCI-ex4 (25W Max.), 1 x M.2 E Key 2230	
Display Size	23.8" 16:9 TFT-LCD (LED Backlight)	
Display (FHD)	1920 x 1080 (Full HD), 16.7M colors (MVA, 8 bit), 178(H) / 178(V), 250 nits (Typ. Center point), CR:3000 : 1 (Typ)	
Touch Screen	Projected Capacitive Multi-Touch Panel / Light Transmission: ≥ 85% / Hardness: 7H pencil, pressure 765g/45° / Life: 50000	
I.O. Ports	STD	ISO
USB	4 x USB3.1 Gen II	4 x USB3.1 Gen II, 1 x ISO USB2.0
COM	1 x RS232/RS422/RS485 1 x RS-232	1 x ISO RS232/RS422/RS485 1 x ISO RS-232
LAN	2 x RJ45	2 x RJ45, 1 x ISO LAN
Audio/ Video	2 x 3.5mm phone jack connector(Line-out, and Mic-in) / 2 x DP	
Reading light	Light bar x 2	
Control Hot Key (R to L)	Power // Audio adjustment // brightness // Reading Light // LCD on/off // Clean me(auto release after 1 minute) // Fn	
Mechanical and Environmental		
Cooling	Smart Fan (less than 30dB at 25℃ environment)	
Power Input	DC-In x 1, DC 14~19V input	
Power Adapter	Medical Grade 250W, AC input 100~240V / 47 ~ 63 Hz / DC output 19V	
Temperature	Operating Temperature: 0~40℃ (chamber) / Storage Temperature: -20~60℃	
Humidity	Operating & Storage:10 ~ 90%, non-condensing	
IP Rating / Housing	IP65 Front Side IPX1 Whole System / Touch (standard)/ Glass(customized); Rear: Plastic White w/Anti-bacteria (MRSA) Housing	
Dimensions (Net)	594.0mm (W) x 397.0mm (H) x 84.1mm (D)	
Weights (Net)	9.0 kg (w/o power adapter/battery pack)	
Mounting	Optional Stand, VESA 100 x 100 Interface	
Certification (All regulation with CPU i9-9900T and GeForce RTX 2060 graphic MXM module)	CE: EN 60601-1-2:2015(V4.1),,IEC 60601-1-2:2014+AMD1:2020 EN 60601-1:2006/A2:2021; IEC 60601-1:2005/AMD1:2012, ; IEC 60601-1:2005/AMD2:2020 VCCI: 2016-11, Class B (PSU/Battery with PSE) FCC: Part 18 Class B / UL: ANSI/AAMI ES60601-1:2012 (V3.1) cUL: CAN/CSA-C22.2 No. 60601-1:2014 (V3.1) / ISO 14971 / IEC62133 (All regulation with CPU i9-9900T and GeForce RTX 2060 graphic MXM module)	

Dimensions

Units (mm)



Major Options

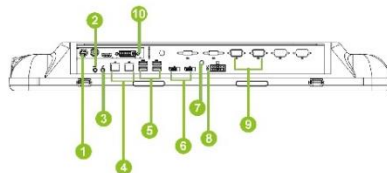
Options	1. WLAN (Wifi 7) + Bluetooth Module (M.2 E key) 2. Auto Focus 5M Pixel Webcam Module 3. M.2 type 2280 storage module 4. Full HD Capture Card (include riser card) or 4K SC710N1 M2 12G SDI capture card 5. PCIe(x4) Riser Card 6. TPM 2.0 Module 7. RFID (13.56Hz) 8. 2.5" SSD Module 9. Equipotential Terminal Pin 10. AG Film (Can't exist with DICOM module) 11. Independent NVIDIA A2000 graphic with 8GB dedicated video memory NVIDIA T1000 graphic with 4GB dedicated video memory 12. Movidius Card for Vision Accelerator AI 13. USB 2.0 (Type A) x 2 at side (different rear housing, can't co-exist with webcam) 14. Smart Card Reader at side or CAC / PIV Reader (FIPS-201) (different rear housing) 15. DICOM Part 14 Compliance Module 16. Integrated battery 81Wh x 1 (output 100W max.) 17. USB 2.0 x 2 (USB 5,6) 18. RS-232 x 2 (COM 3,4)
Accessory Options	1. Cable clean IO cover 2. Desktop stand (Metal, white color, anti-bacteria treatment) VESA 100
Customization	1. Tempered glass 2. Touch with AG coating

Order Information

Item	Configuration
WMP-24K-IP0A-i5	Core i5-9500TE 2.2GHz / 4G RAM / 128G SSD / Full flat P.cap touch / STD
WMP-24K-IP0A-i7	Core i7-9700TE 1.8GHz / 4G RAM / 128G SSD / Full flat P.cap touch / STD
WMP-24K-IP0A-i9	Core i9-9900T 2.1GHz / 4G RAM / 128G SSD / Full flat P.cap touch / STD
WMP-24K-IP0B-i5	Core i5-9500TE 2.2GHz / 4G RAM / 128G SSD / Full flat P.cap touch / ISO

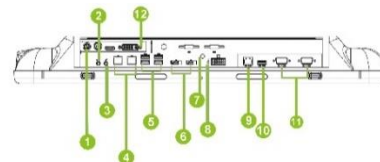
IO Ports

WMP-24K STD I/O



- ① DC-in
- ② Line-out
- ③ Microphone-in
- ④ LAN x 2
- ⑤ USB3.1 x 4
- ⑥ DP x 2
- ⑦ Power Plugholder
- ⑧ Reset
- ⑨ RS232/422/485/RS232
- ⑩ PCI-E expansion

WMP-24K ISO I/O



- ① DC-in
- ② Line-out
- ③ Microphone-in
- ④ LAN x 2
- ⑤ USB3.1 x 4
- ⑥ DP x 2
- ⑦ Power Plugholder
- ⑧ Reset
- ⑨ ISO LAN
- ⑩ ISO USB
- ⑪ ISO COM1/2
- ⑫ PCI-E expansion

