

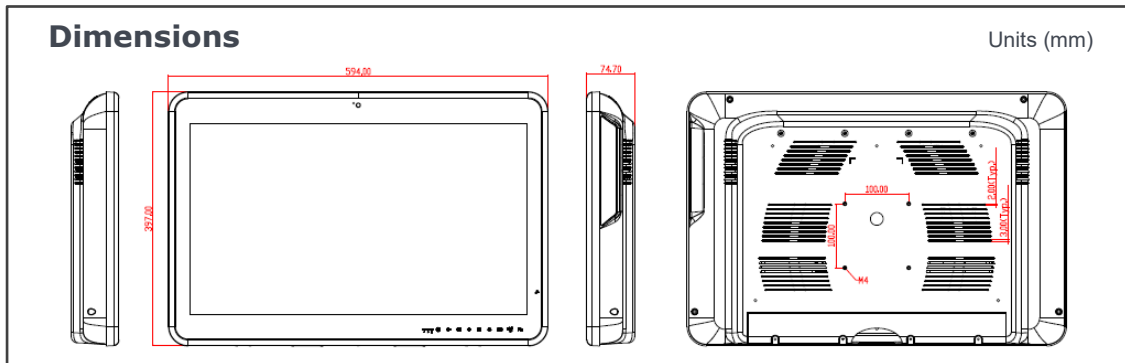


### Features

- 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)
<b>Main System</b>		
<b>CPU / Chipset</b>	LGA1151 package 9th/8th generation Intel® Core i7/i5/i3/Pentium/Celeron processor (35W) Intel® Q370 Chipset	
<b>Graphic</b>	Intel® integrated HD Graphics 630 by CPU	
<b>RAM</b>	Two 2666MHz DDR4 SODIMM socket support dual Channel, non-ECC, up to 64GB	
<b>OS Support</b>	Windows 10 IoT Enterprise LTSC, Windows 11 IoT Enterprise GAC	
<b>Storage</b>	1 x M.2 M.Key 2280 SSD Up to 1TB 1 x 2.5" SATA III HDD Up to 2 TB	
<b>Expansion</b>	1 x PCI-ex4 (25W Max.), 1 x M.2 E Key 2230	
<b>Display Size</b>	23.8" 16:9 TFT-LCD (LED Backlight)	
<b>Display (FHD)</b>	1920 x 1080 (Full HD), 16.7M colors (MVA, 8 bit), 178(H) / 178(V), 250 nits (Typ. Center point), CR:3000 : 1 (Typ)	
<b>Touch Screen</b>	Projected Capacitive Multi-Touch Panel / Light Transmission: ≥ 85% / Hardness: 7H pencil, pressure 765g/45° / Life: 50000	
<b>I.O. Ports</b>	<b>STD</b>	<b>ISO</b>
<b>USB</b>	4 x USB3.1 Gen II	4 x USB3.1 Gen II, 1 x ISO USB2.0
<b>COM</b>	1 x RS232/RS422/RS485 1 x RS-232	1 x ISO RS232/RS422/RS485 1 x ISO RS-232
<b>LAN</b>	2 x RJ45	2 x RJ45, 1 x ISO LAN
<b>Audio/ Video</b>	2 x 3.5mm phone jack connector(Line-out, and Mic-in) / 2 x DP	
<b>Reading light</b>	Light bar x 2	
<b>Control Hot Key (R to L)</b>	Power // Audio adjustment // brightness // Reading Light // LCD on/off // Clean me(auto release after 1 minute) // Fn	
<b>Mechanical and Environmental</b>		
<b>Cooling</b>	Smart Fan (less than 30dB at 25°C environment)	
<b>Power Input</b>	DC-In x 1, DC 14~19V input	
<b>Power Adapter</b>	Medical Grade 250W, AC input 100~240V / 47 ~ 63 Hz / DC output 19V	
<b>Temperature</b>	Operating Temperature: 0~40°C (chamber) / Storage Temperature: -20~60°C	
<b>Humidity</b>	Operating & Storage: 10 ~ 90%, non-condensing	
<b>IP Rating / Housing</b>	IP65 Front Side IPX1 Whole System / Touch (standard)/ Glass(customized); Rear: Plastic White w/Anti-bacteria (MRSA) Housing	
<b>Dimensions (Net)</b>	594.0mm (W) x 397.0mm (H) x 84.1mm (D)	
<b>Weights (Net)</b>	9.0 kg (w/o power adapter/battery pack)	
<b>Mounting</b>	Optional Stand, VESA 100 x 100 Interface	
<b>Certification (All regulation with CPU i9-9900T and GeForce RTX 2060 graphic MXM module)</b>	CE: EN 60601-1-2:2015(V4.0), EN 60601-1:2006 + A11: 2011 + A1: 2013 + A12: 2014 Compliance 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	



### Major Options

Options	<ol style="list-style-type: none"> <li>1. WLAN (Wifi 5 or Wifi 6) + Bluetooth Module (M.2 E key)</li> <li>2. Auto Focus 5M Pixel Webcam Module</li> <li>3. M.2 type 2280 storage module</li> <li>4. Full HD Capture Card (include riser card) or 4K SC710N1 M2 12G SDI capture card</li> <li>5. PCIe(x4) Riser Card</li> <li>6. TPM 2.0 Module</li> <li>7. RFID (13.56Hz)</li> <li>8. 2.5" SSD Module</li> <li>9. Equipotential Terminal Pin</li> <li>10. AG Film (Can't exist with DICOM module)</li> <li>11. Independent NVIDIA A2000 graphic with 8GB dedicated video memory NVIDIA T1000 graphic with 4GB dedicated video memory</li> <li>12. Movidius Card for Vision Accelerator AI</li> <li>13. USB 2.0 (Type A) x 2 at side (different rear housing, can't co-exist with webcam)</li> <li>14. Smart Card Reader at side or CAC / PIV Reader (FIPS-201) (different rear housing)</li> <li>15. DICOM Part 14 Compliance Module</li> <li>16. Integrated battery 81Wh x 1 (output 100W max.)</li> <li>17. USB 2.0 x 2 (USB 5,6)</li> <li>18. RS-232 x 2 (COM 3,4)</li> </ol>
Accessory Options	<ol style="list-style-type: none"> <li>1. Cable clean IO cover</li> <li>2. Desktop stand (Metal, white color, anti-bacteria treatment) VESA 100</li> </ol>
Customization	<ol style="list-style-type: none"> <li>1. Tempered glass</li> <li>2. Touch with AG coating</li> </ol>

## 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

