

# WMP-22J

## Medical Cart Panel PC Swappable Battery



### Features

- Mobile Intel® Whiskey Lake Core i CPU
- Medical Latest 60601-1 & 60601-1-2 Certifications (MDR)
- 21.5" FHD MVA Diagnostic Panel w/ P-Cap Multi-Touch
- Hot-Swappable Batteries X3 at 243Wh Capacity
- Fanless Design with Reliable Thermal Solution
- Dual storage M.2 NVMe SSD & 2.5" drive (w/ doggy door)
- Hospital White Plastic Housing w/ Anti-bacteria Treatment
- Battery Charger Station, 4KV Isolated I/O kit, DICOM GSDF Calibration & More Options for Diversified Applications
- Support PCIe4 Expansion Slot
- Optional DICOM Part 14 Module

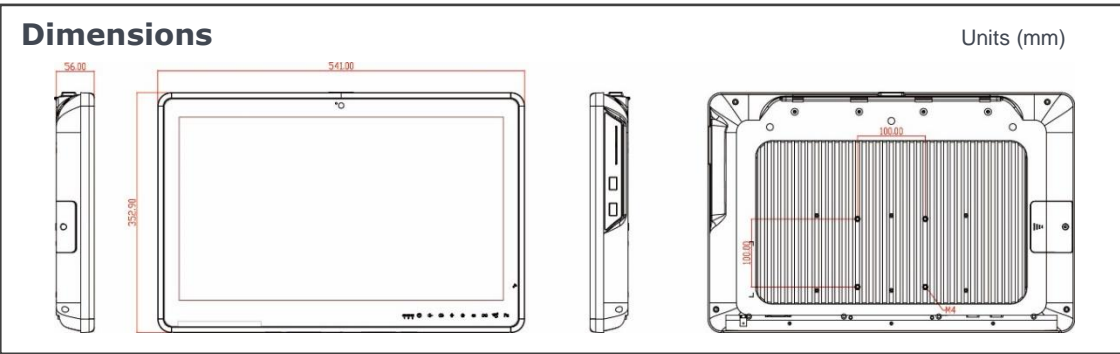
### Specification

Model	WMP 22J IP0A (STD)	WMP 22J IP0B (ISO)
CPU / Chipset	FCBGA1528 Intel® Whiskey Lake Core i7/i5 processor (15W Max.) / SoC Optional Vpro by Core i7/i5 CPU	
Graphic	Intel® integrated UHD Graphics 620	
RAM	Two DDR4 Dual-2400MHz RAM, non-ECC, x2 SO-DIMM socket, up to 64GB	
OS Support	Optional Win 10 IoT Enterprise	
Storage	1 x M.2 NVMe SSD (M Key 2242/2260/2280) PCIe4, 1 x 2.5" SSD/HDD w/ doggy door	
Expansion	1 x PCIe4, 1 x M.2 E Key Optional Network Interface: 802.11 ac/a/b/g/n (or Wifi-6) WLAN + Bluetooth module	
Display Size	21.5" wide TFT-Color LCD (16:9)	
Display	1920 x 1080 (FHD), 16.7M colors ( 8 bit), 178(H) / 178(V), 250 nits, CR:3000 : 1 (Typ)	
Touch Screen	Full flat projective capacitive touch panel / Light Transmission: 90% ± 3% / Hardness: 7H pencil, pressure 750g/45° / Life: 100M times	
USB	4 x USB3.1 gen II	4 x USB3.1 gen II, 1 x ISO USB2.0
COM	1 x RS-232, 1 x RS232/RS422/RS485	1 x ISO RS-232, 1 x ISO RS232/RS422/RS485
LAN	2 x Gigabit RJ45	2 x Gigabit RJ45, 1 x ISO Gigabit RJ45
Audio/ Video	Line-out & Microphone-in (3.5mm phone jack) / 2 x DP & 1 x HDMI video-in	
Speakers & Microphone	2x 2-watt speakers & integrated microphone (at housing bottom side)	
Reading light	2 x Light Bar (at housing bottom side)	
Control Hot Key (R to L)	Battery LED Indicator, Power On/Off, Volume +/-, Brightness +/-, Reading Light, LCD Backlight On/Off, Touch & Hot Key Enable/Disable, Function Key	
Cooling	Fanless Design with External Heatsink	
Battery Pack	Optional DR-202W2, Lithium-ion Battery x3 81Wh for 243Wh w/ Hot-Swappable Design	
Power Input / Consumption	DC-In x 1, DC 14-24V input	
Power Adapter	AC input 100~240V / 47 ~ 63 Hz / DC output 18V, 100W (Optional 180W)	
Temperature	Operating Temperature: 0~40°C (chamber) / Storage Temperature: -20~60°C	
Humidity	Operating & Storage:10 ~ 90%, non-condensing	
IP Rating / Housing	IP65 (Front Side), IPX1 for whole system / Front: Full flat design / Touch (standard)/ Glass( customized); Rear: Plastic White w/Anti-bacteria (MRSA) Housing	
Dimensions (Net)	541.0mm (H) x 352.9mm (V) x 56.0mm (T)	
Weights (Net)	7.0 kg (w/o power adapter/battery pack), 8.5 kg (w/ x3 battery pack & no power adaptor)	
Mounting	VESA 100 x 100	
Certification	MDR (2017/745), UL/cUL60601-1:2014 (V3.1), FCC/CE(60601-1-2: 2015(V4.0)/VCCI Class B, Energy Star 6.1 Compliance	



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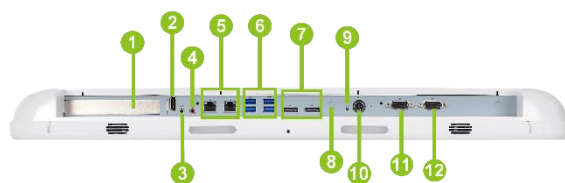


Major Options & Customization	
Battery & Charger	<ol style="list-style-type: none"> <li>1. Battery Pack: DR202W2, Li-ion 10.8V 7500mAh, x 3;</li> <li>2. Battery Charger Station: JW202W2 3-Slot w/200W Power Adaptor</li> </ol>
Options	<ol style="list-style-type: none"> <li>1. 5MP Auto Focus Webcam</li> <li>2. TPM 2.0 module</li> <li>3. Smart Card Reader at side or CAC / PIV Reader (FIPS-201) (different rear housing)</li> <li>4. RFID Reader (13.56MHz)</li> <li>5. AG Film</li> <li>6. Wifi WLAN + Bluetooth w/ 2x antenna</li> <li>7. M.2 NVMe SSD</li> <li>8. SATA III 2.5" HDD module</li> <li>9. Equipotential Terminal Pin</li> <li>10. Full HD Capture Card or 4K SC710N1 12G SDI Capture Card</li> <li>11. USB 2.0 x 2 at Side (different rear housing)</li> <li>12. 5V1A Power Jack (for Standard Type)</li> <li>13. Light Sensor for Auto Brightness (can't co-exist with webcam)</li> <li>14. DICOM Part 14 Compliance</li> <li>15. DC-DC Extension Cable (2 meter)</li> <li>16. I/O Cover (for better cables management)</li> <li>17. White Color Metal Desktop Stand w/ Anti-bacterial Treatment</li> </ol>
Customization	<ol style="list-style-type: none"> <li>1. Tempered Glass</li> <li>2. Touch Panel with Anti-glare Coating</li> <li>3. COM Ports Support 5V1A Output</li> </ol>

## Order Information

Item	Configuration
WMP-22J-IP0A-i5	Core i5-8265U 1.60GHz / 4G RAM / M.2 128G SSD / Full flat P.cap touch / STD
WMP-22J-IP0A-i7	Core i7-8565U 1.80GHz / 4G RAM / M.2 128G SSD / Full flat P.cap touch / STD
WMP-22J-IP0A-i5v	Core i5-8365UE 1.60GHz / 4G RAM / M.2 128G SSD / Full flat P.cap touch / Support Vpro
WMP-22J-IP0B-i5	Core i5-8265U 1.60GHz / 4G RAM / M.2 128G SSD / Full flat P.cap touch / ISO

### I/O ports (Standard type)



- 1 PCI-E expansion
- 2 Video-in
- 3 Line-out
- 4 Microphone-in
- 5 LAN x 2
- 6 USB3.1 gen II x 4
- 7 DP x 2
- 8 Equipotential Terminal Pin
- 9 Reset
- 10 DC-in
- 11 RS232/422/485
- 12 RS232

