WMP-19P

Medical AIO Core™ Fanless



Features

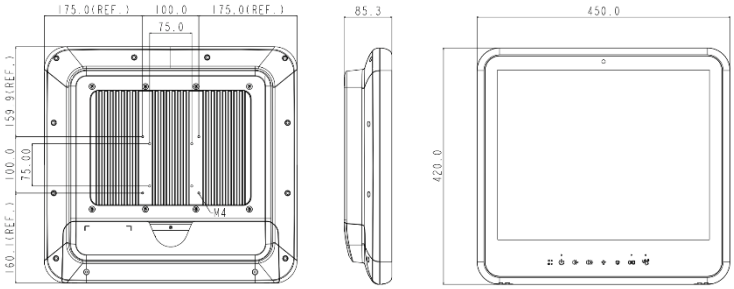
- Anti-bacteria (MRSA) plastic housing
- 19"(1280x1024), 350nits Diagnostic panel
- High performance Intel 13th generation Core i CPU
- Support Intel Vpro technology by CPU
- Supports Dual Channel DDR5 SODIMM up to 96GB
- IP65 at front side, IPx1 for whole system
- Fanless solution
- Optional Built-In UPS Battery Pack
- Optional 2.5” SATA3 SSD up to 2TB
- Optional Full HD/4K capture card
- Supports PCI-E x4 riser card (option)
- USB/LAN/COM 4KV isolated module (optional order configuration)
- Support MECM & Autopilot

Specification

Model	WMP 19P IP0A (STD)	WMP 19P IP0B (ISO)
CPU / Chipset	FCBGA1744 Intel® 13th Gen. Core i7/i5/i3 & Celeron Processor (15W Max.) / SoC	
Graphic	Intel® Iris Xe Graphics (i7/i5 CPU) / Intel® UHD Graphics (i3 CPU)	
RAM	Two 5200 MHz DDR5 SODIMM Socket Support Dual Channel, non-ECC, up to 96GB	
OS Support	Win 11	
Storage	1 x M.2 (M Key 2280) with PCIex4, 1 x 2.5” SATA3 SSD/HDD drive bay	
Expansion	1 x PCIex4 (40W max.), 1 x M.2 E Key	
Display Size	19” TFT-Color LCD (5:4)	
Display	1280 x 1024 (SXGA), 16.7M colors, 170(H) / 160(V), 350 nits, CR:1000: 1 (Typ)	
Touch Screen	Projected Capacitive Multi-Touch Panel / Light Transmission: ≥84% / Hardness: 7H pencil, pressure 765g/45° / Life: 50000	
USB	4 x USB3.2 gen II	4 x USB3.2 gen II, 1 x ISO USB2.0
COM	1 x RS232/RS422/RS485 1 x RS232	1 x RS232/RS422/RS485, 1 x RS232 1 x ISO RS232/RS422/RS485, 1 x ISO RS232
LAN	2 x RJ45	2 x RJ45 1 x ISO RJ45
Audio/ Video	1 x Line-out & 1 x Microphone-in (3.5mm phone jack) / 1 x DP1.4a, 1 x HDMI 2.0	
Speakers & Mic.	2 x 2-watt Speakers & Integrated Microphone (at Housing Bottom Side)	
Control Hot Key (R to L)	Battery LED Indicator, Power On/Off, Volume +/-, Brightness +/-, LCD Backlight On/Off, Clean Me	
Cooling	Fanless Design with External Heatsink	
Power Input	DC 12-24V input	
Power Adapter	AC input 100~240V / 47 ~ 63 Hz / DC output 12V, 100W (HPU-101)	
Temperature	Operating Temperature: 0~35℃ (20W add-on card) (IEC60068-2-78) 0~40℃ (15W add-on card) 25W add-on card (by project) Storage Temperature: -20~60℃	
Humidity	Operating & Storage:10 ~ 90%, non-condensing	
IP Rating	IP65 at front side, IPx1 for whole system	
Housing	Front: Full flat design / Touch (standard)/ Glass (customized); Rear: Plastic White w/Anti-bacteria (MRSA) Housing	
Dimensions (Net)	450mm (H) x 420mm (V) x 85.3mm (T)	
Weights (Net)	7.5 kg (w/o power adapter/battery pack)	
Mounting	VESA 75x75, 100 x 100	
Certification	CE: EN IEC 60601-1-2:2015/A1:2021(Ed 4.1) (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 (By Project) VCCI: 2016-11, Class B (PSU/Battery with PSE) (by Project) FCC: Part 18 Class B (by Project) 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)

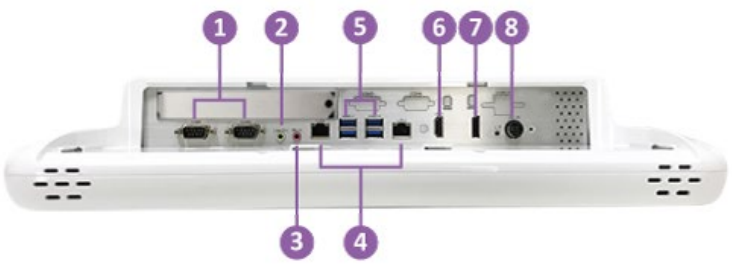


Major Options & Customization	
Options	① GPIO capture card control solution ② 802.11 be WLAN + Bluetooth module (Wifi-7) ③ 5M pixel webcam module ④ 2.5” SSD module ⑤ M.2 type 2280 module ⑥ RFID (13.56MHz) ⑦ TPM 2.0(SPI) module ⑧ Battery pack (Battery Energy: Typical 28Wh) ⑨ COM3,4 ⑩ USB5,6 ⑪ Equipotential terminal pin ⑫ AG film ⑬ PCI-E x4 riser card ⑭ Full HD /4K capture card ⑮ Isolated 4KV module (optional order configuration) 4KV Isolated USB 2.0 (High speed) connector x 1 4KV Isolated gigaLAN connector x 1 4KV Isolated COM connector x 2 (one is RS-232/422/485, one is RS-232) ⑯ AC DC Power adapter 18V 100W (EU Only) (optional order configuration)
Customization	① Tempered Glass ② Touch Panel with Anti-glare Coating ③ COM 5,6 (New I/O bracket, remove USB5,6) ④ Light sensor for LCD auto brightness (can’t co-exist with webcam)

Order Information

Item	Configuration
WMP-19P-IP0A-i5	Core i5-1335U 4.60GHz / DDR5 8G RAM / M.2 128G SSD / P.cap touch / Support Vpro
WMP-19P-IP0A-i7	Core i7-1355U 5.00GHz / DDR5 8G RAM / M.2 128G SSD / P.cap touch / Support Vpro
WMP-19P-IP0A-i5UE	Core i5-1345UE 4.60GHz / DDR5 8G RAM / M.2 128G SSD / P.cap touch / Support Vpro
WMP-19P-IP0B-i5-ISO	Core i5-1335U 4.60GHz / DDR5 8G RAM / M.2 128G SSD / P.cap touch / Support Vpro / ISO

I/O ports



1 COM x 2
2 Line-out
3 Micro-in
4 LAN x 2
5 USB 3.2 x 4
6 HDMI x 1
7 DP x 1
8 DC-in