WMP-109

Medical AIO Fanless Panel PC



Features

- Four Cores Intel® N97 / N150 Processor
- Industrial HMI Office Level EMC class B Certified
- Medical Grade UL/MDR Certification By Request
- Door Display with PoE for Customization
- Equipped with Power Button for User Friendly
- Fanless Type under 0~50℃ Operation Temp.
- Compact Size Ideally for Limited Space Installation
- TPM 2.0 On Board

Specification

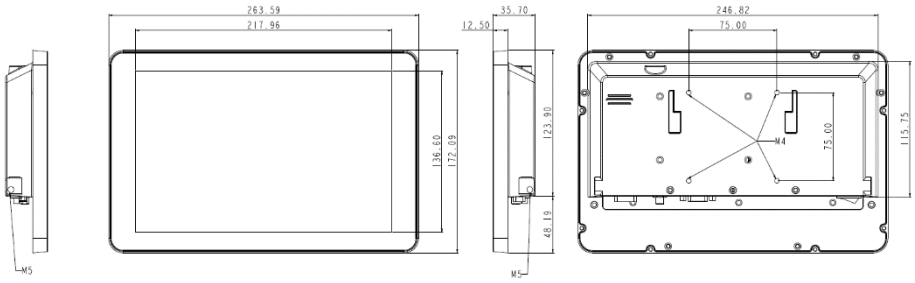
Product		WMP-109	
Main System	CPU	Intel® Alder Lake-N N97 Processor, 1.1GHz (up to 3.6G Hz), Max. TDP 6 W	Intel® Twin Lake Processor N150; up to 3.60 GHz (Max. TDP 6W)
	Graphic	Intel® Integrated UHD Graphics	
	Memory	1 x DDR5 SO-DIMM sockets, Max. Capacity 16 GB Support Single Channel DDR5 4800 MHz memory modules	
	TPM	TPM 2.0 On Board	
	OS Support	Win 10 / Win 11 IoT LTSC	Win 11 IoT LTSC
Display	Size	10.1”	
	Resolution (pixel)	1280 x 800	
	Number of Colors	16.7M Colors	
	View Angle (H/V)	170(H) / 170(V)	
	Brightness(cd/m²,	350 nits	
	Contrast Ratio	800:1 (Typ)	
Touch Panel	Type	Full Flat Projective Capacitive Touch Panel (Multi-touch)	
	Light Transmission	90 ± 3%	
	Hardness / Interface	7H pencil, pressure 750g/45° / Controller with USB interface, 5V	
Storage & Expansion	Storage	1 X M.2 M-key 2280 SSD, Defaulted NVMe. 128G	
	Expansion	1 x M.2 E-key 2230, 1 x Full Size Mini-PCIe w/SIM slot	
I/O Ports	USB	2 x USB 3.2 Gen 2, 2 x USB 2.0	
	COM	1 x RS232/422/485 (default is RS232, RS422 and RS485 are by manually change jumper setting on mother board)	
	LAN	2 x RJ-45, Gigabit Ethernet	
	Audio	Line Out, 1 x 3.5mm Phone Jack, 1 x 1.5W Speaker	
	Video (output)	2 x HDMI	
	Control Keys	Rear Bottom: Power on /off, ATX Switch	
Power	Power Input	1 x 12~36 VDC-in	
	Power Adapter	External, 63 Watts, Universal 100 ~240V AC in, 12V DC Out	
	Power Consumption	31.5W (12V), TBD (N150 model)	
Environmental	Temperature	Operating Temperature: 12V DC Input 0~50℃ (IEC60068-2-78) Storage Temperature: -20~60℃	
	Humidity	Operating & Storage: 10 ~ 90%, non-condensing	
	Water/Dust	Front IP65	
Mechanical Characteristics	Housing	Silver Bezel / Black Cover	
	Dimensions (Net:	263.3 (H) x 171 (V) x 35.7 (T)	
	Weights (Net: kg)	1.27 Kg (w.o. power adapter)	
	Mounting	Chassis, VESA 75x75	
Certification	FCC/ VCCI Class B (PSU with PSE), Canada ICES-003, CE-EMC IEC60601-1-2 (V4.1)		

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Dimensions

Units (mm)

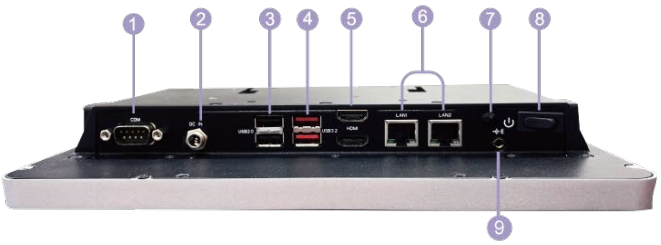


Major Options	
Options	1. 802.11 ac/a/b/g/n WLAN + Bluetooth 5.0 Module (802.11 ac/a/b/g/n WLAN antenna at top, bluetooth 5.0 antenna at I/O side) 2. Ethernet RJ45 male to female right angle adapter x 2 3. Operation system: Windows 10 IoT 2021 LTSC (64bit) (N150 model can't support Win10)/Windows 11 IoT LTSC 4. 128G M.2 NVMe SSD storage
AP/API	1. Watch dog timer 2. Hardware monitor 3. Brightness control 4. OSK (on screen keyboard)
Customization	1. Webcam (Can't co-exist with RFID) 2. RFID (Can't co-exist with Webcam) 3. COM x 2 (total) 4. Panel mount kit 5. White rear cover 6. PoE function follows IEEE802.3at (30 Watt), supports wake on LAN function (not coexist with wireless, COM port, remove AC-DC power adapter and DC input connector) 7. In wall mount bracket 8. 3G/4G module 9. Car ignition power control

Order Information

Item	Touch	Description
WMP-109	Chassis P-Cap.Touch	10.1" N97 3.6GHz, DDR5 8G RAM, 128G SSD, Full Flat P-Cap Touch
WMP-109	Chassis P-Cap.Touch	10.1" N150 3.6GHz, DDR5 8G RAM, 128G SSD, Full Flat P-Cap Touch

I/O ports



1. COM
2. DC-in
3. USB 2.0 x 2
4. USB 3.2 x 2
5. HDMI x 2
6. LAN x 2
7. WiFi Antenna (optional)
8. Power switch
9. Line out



Power over Ethernet

for Embedded Applications



Rear view