

# W24IAD7T-OFA2

## 23.8" Intel® Core™ i9/i7/i5/i3 (Alder Lake S) Open Frame Panel PC



### KEY FEATURES

- 23.8" 1920 x 1080 Resolution Open Frame PC
- 12th Gen Intel® Core™ Alder Lake S i9 / i7/ i5 / i3 processor
- 2 x SODIMM, DDR5 4800MHz, support up to 64GB (Max. 32GB for each slot)
- Integrated Dual 2.5 Gigabit Ethernet
- Multi display supports DP 1.4a / HDMI 2.0b (Optional)
- Multiple I/Os, 4 x USB 3.2 Gen2x1, 2 x Serial Ports
- 12 V DC Power input



### OVERVIEW



#### High-Performance Panel PC

Winmate's Open Frame Panel PC features Intel Alder Lake Processor, delivers outstanding computing power. This ensures seamless multitasking and efficient operation across a variety of applications.



#### Resistive Touch / Optional Protective Glass

To enhance operator convenience in industrial settings, Winmate's Open Frame Panel PC provides adaptable surface options. These include cover glass and a resistive touch screen to accommodate various specifications.



#### Low Power Consumption

Crafted for minimal power consumption and efficient heat dissipation, Winmate Open Frame Panel PC ensures durability for extended use in production facilities. It stands as the ultimate energy-efficient solution.



#### Versatile Mounting Solutions

Winmate provides users the flexibility to choose from various mounting solutions, including rear and VESA mounting, enabling them to select the most suitable option for their specific application.

### SPECIFICATIONS

Display			
Resolution	1920x1080	Size	23.8 inches
Contrast Ratio	3000:1	Panel Brightness	250.0 nits
View Angles	89,89,89,89	Active Area	527.04x296.46 mm
Touch / Glass	Resistive Touch Screen (Optional) Protection Glass Without Touch Function (Optional)		
System Specification			
WLAN	Support (Optional)	BT	Support (Optional)
Processor	Intel® Core™ i3-12100TE(up to 4.00GHz) Intel® Core™ i5-12500TE(up to 4.3GHz) (Optional) Intel® Core™ i7-12700TE(up to 4.6GHz) (Optional)	Chipset	Intel® R680E

	Intel® Core™ i9-12900TE(up to 4.80GHz) (Optional) Intel® Core™ i3-14100T(up to 4.4GHz) (Optional) Intel® Core™ i5-14500T(up to 4.8GHz) (Optional) Intel® Core™ i7-14700T(up to 5.2GHz) (Optional) Intel® Core™ i9-14900T(up to 5.5GHz) (Optional)		
Memory	2 x SO-DIMM, DDR5 4800 MHz, 8GB 16GB (Optional) 32GB (Optional) 64GB (Optional)	Storage	1 x M.2 2280 M-Key NVMe SSD 256GB 512GB (Optional) 1TB (Optional) 2TB (Optional) 2 x SATA III for 2.5" SSD/HDD (Optional)
Ethernet controller	2 x Intel® Ethernet Controller	Security	TPM 2.0
Operating System	Windows 11 IoT Enterprise (64 bit) (Optional) Windows 11 Pro 64 bit (Optional) Linux Ubuntu 22.04(Do not support Wake on Touch) (Optional)		

Mechanical			
Dimension	576 x 344 x 78 mm	Weight	6.3 kg
Mounting	Open frame Panel mount (Optional) VESA mount (Optional)	Enclosure	Metal Housing
Cooling System	Fan Design		

Environment			
Operating Humidity	10% to 90% RH, Non-Condensing	Operating Temperature	0°C to 50°C
Storage Temperature	-10°C to 60°C		

Certification			
Certification	CE, FCC		

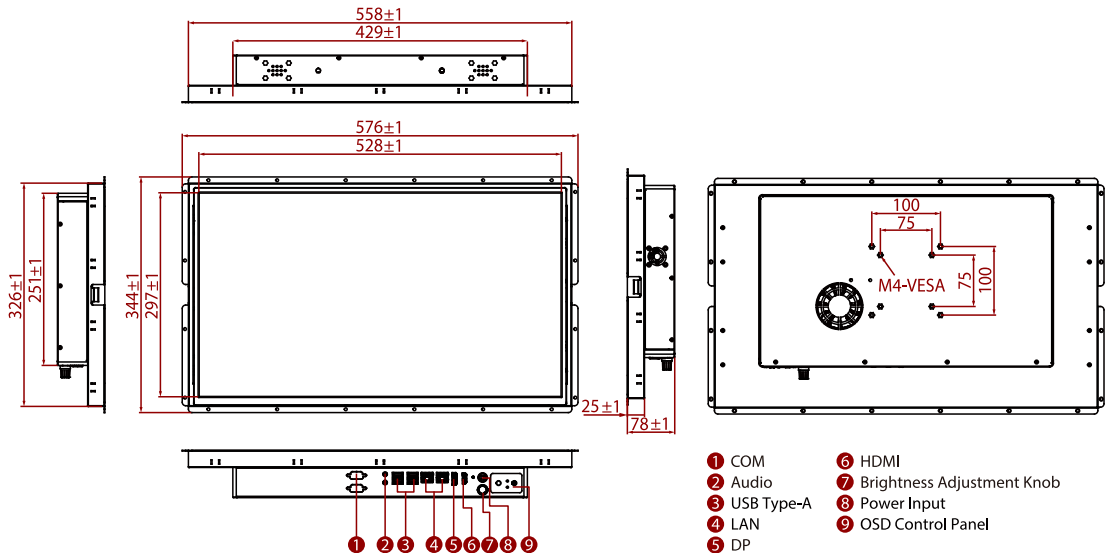
IO Ports			
Power Input	1 x 12V DC, Din4 pin connector	USB Port	4 x USB 3.2 Gen2x1 (10Gbps, TypeA) (R680E/Q670E version) 4 x USB 3.2 Gen1x1 (5Gbps, TypeA) (H610E version)
Serial Port	1 x RS232/422/485 (Default RS232) 1 x RS232	Video	1 x DP1.4a DP++ , Max resolution up to 4096x2160@60Hz 1 x HDMI 2.0b , Max resolution up to 4096x2160@60Hz (Optional)
Audio	Mic in Line out	Expansion Port	1 x M.2 2280 M-Key Slot (for NVME SSD) 1 x M.2 2230 E-Key Slot (for Wi-Fi module)
LAN	2 x 2.5 Giga LAN RJ45 Connector		

Control			
Button	1 x Power Button 1 x Reset Button		

Accessory			
Accessory	100~240V AC to DC Adapter Power Cord VESA screws		

Power			
Power Rating	12V DC	Adapter	12V 220W

DIMENSIONS UNIT:MM



**NOTE**

1.This is a simplified drawing and some components are not marked in detail.

2.Please contact our sales representative if you need further product information.

3.All specifications are subject to change without prior notice.

4.The product shown in this datasheet is a standard model.For diagrams that contain customized or optional I/ O, please contact the Winmate Sales Team for more information.

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