

# W27IAD7T-GPA1

## 27" Edge AI Panel PC with Intel® Alder Lake S / Raptor Lake S Processor



### KEY FEATURES

- 27", 1920 x 1080 resolution with P-CAP touchscreen
- Supports Intel® 12/14th generation Alder LakeS/Raptor Lake S processor
- Supports single NVIDIA RTX™A2000 / T1000 GPU
- Supports Intel® vPro
- Up to 2 x 262pin SODIMM DDR5 4800MHz up to 64GB(32GB per Slot)
- 2 x Intel 2.5 Gigabit LAN, 4 x USB3.2 Gen 2x1
- Supports Two display, 1 x HDMI 2.0, 1 x DP 1.4a
- 80 ~ 264VAC Power Input with 3 Pin AC Plug



### SPECIFICATIONS

#### Display

<b>Resolution</b>	1920x1080	<b>Size</b>	27.0 inches
<b>Contrast Ratio</b>	3000:1	<b>Panel Brightness</b>	300.0 nits
<b>View Angles</b>	89,89,89,89	<b>Active Area</b>	599x337 mm
<b>Touch / Glass</b>	Projected Capacitive Multi Touch Screen		

#### System Specification

<b>Processor</b>	Intel® Core™ i7-12700TE(up to 4.6GHz) Intel® Core™ i9-12900TE(up to 4.80GHz) (Optional) Intel® Core™ i7-14700T(up to 5.2GHz) (Optional) Intel® Core™ i9-14900T(up to 5.5GHz) (Optional)	<b>Chipset</b>	Intel® R680E
<b>Memory</b>	SO-DIMM, DDR5 4800 MHz, 8+8GB 16+16GB (Optional) 32+32GB (Optional)	<b>Storage</b>	1 x M.2 2280 M-Key NVMe SSD, 512GB 1TB (Optional) 2TB (Optional)
<b>Ethernet controller</b>	2 x Intel® 2.5 Gigabit Ethernet Controller	<b>Security</b>	TPM 2.0
<b>Operating System</b>	Windows 11 IoT Enterprise (64 bit) (Optional) Windows 11 Pro 64 bit (Optional) Linux Ubuntu 22.04(Do not support Wake on Touch) (Optional)	<b>WLAN</b>	Support (Optional)
<b>BT</b>	Support (Optional)	<b>AI Accelerator</b>	Hailo 8™ AI accelerator module, up to 26 TOPS(When using this feature, WLAN will not be supported) (Optional)
<b>Graphic Card</b>	NVIDIA® RTX A4000 16GB Graphic Card (Optional) NVIDIA® RTX A2000 12GB Graphic Card (Optional) NVIDIA® T1000 8GB Graphic Card (Optional)		

#### Mechanical

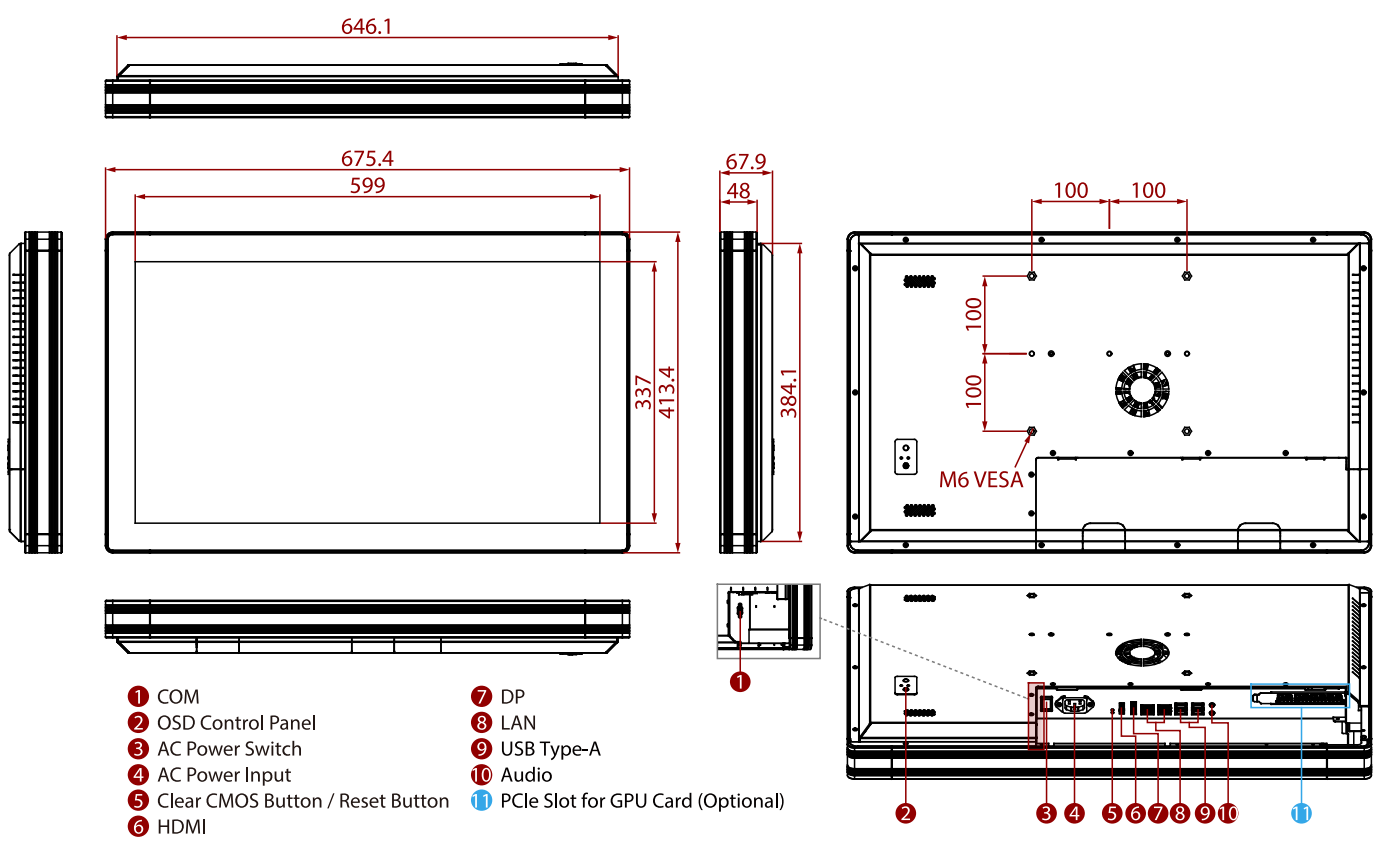
<b>Dimension</b>	675.4 x 413.4 x 67.9 mm	<b>Weight</b>	10.2 kg
<b>Mounting</b>	VESA Mount	<b>Enclosure</b>	Metal Housing
<b>Cooling System</b>	Fan design		

#### Environment

<b>Operating Humidity</b>	10% to 90% RH, Non-Condensing	<b>Operating Temperature</b>	0°C to 55°C
<b>Storage Temperature</b>	-10°C to 60°C	<b>IP rating</b>	Front IP65

Certification	
Certification	CE, FCC
IO Ports	
Power Input	1 x 3 Pin AC Plug
Serial Port	1 x RS232/422/485 (Default RS232)
Audio	Mic in Line out
LAN	2 x 2.5 Giga LAN RJ45 Connector
USB Port	4 x USB 3.2 Gen2x1 (10Gbps, TypeA)
Video	1 x DP1.4a DP++ , Max resolution up to 4096x2160@60Hz 1 x HDMI 2.0b , Max resolution up to 4096x2160@60Hz (Optional)
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 or Hailo 8™ AI accelerator module) 1 x PCIe 5.0 (x16) slot
Indicator	1 x LED Indicator for power 1 x LED Indicator for storage
Control	
Button	1 x AC Power Switch 1 x Power Button 1 x Clear CMOS Button 2 x Reset Button
Accessory	
Accessory	Power Cord VESA screws
Power	
Power Rating	80 ~ 264VAC 90 ~ 264VAC (With NVIDIA® RTX A4000 16GB Graphic Card Sku) (Optional)
Consumption	300W 500W (With NVIDIA® RTX A4000 16GB Graphic Card Sku) (Optional)

**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.

