

# W32IAD7T-GPA3

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



### KEY FEATURES

- 32", 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>                  | 32.0 inches   |
| <b>Contrast Ratio</b>      | 4000:1   | <b>Panel Brightness</b>      | 400.0 nits  |
| <b>View Angles</b>         | 89,89,89,89  | <b>Active Area</b>           | 698.4x392.85 mm   |
| <b>Touch / Glass</b>       | Projected Capacitive Multi Touch Screen  |                              |   |
| System Specification       |  |                              |   |
| <b>Processor</b>           | Intel® Core™ i7-12700TE(up to 4.6GHz)<br>Intel® Core™ i9-12900TE(up to 4.80GHz) (Optional)<br>Intel® Core™ i7-14700T(up to 5.2GHz) (Optional)<br>Intel® Core™ i9-14900T(up to 5.5GHz) (Optional) | <b>Chipset</b>               | Intel® R680E  |
| <b>Memory</b>              | SO-DIMM, DDR5 4800 MHz, 8+8GB<br>16+16GB (Optional)<br>32+32GB (Optional)  | <b>Storage</b>               | 1 x M.2 2280 M-Key NVMe SSD, 512GB<br>1TB (Optional)<br>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)<br>Windows 11 Pro 64 bit (Optional)<br>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)<br>NVIDIA® RTX A2000 12GB Graphic Card (Optional)<br>NVIDIA® T1000 8GB Graphic Card (Optional)  |                              |   |
| Mechanical                 |  |                              |   |
| <b>Dimension</b>           | 777.6 x 477.6 x 73.3 mm  | <b>Weight</b>                | 14.8 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

|                    |                                   |                       |   |
|--------------------|-----------------------------------|-----------------------|---|
| <b>Power Input</b> | 1 x 3 Pin AC Plug                 | <b>USB Port</b>       | 4 x USB 3.2 Gen2x1 (10Gbps, TypeA)  |
| <b>Serial Port</b> | 1 x RS232/422/485 (Default RS232) | <b>Video</b>          | 1 x DP1.4a DP++ , Max resolution up to 4096x2160@60Hz<br>1 x HDMI 2.0b , Max resolution up to 4096x2160@60Hz (Optional)                           |
| <b>Audio</b>       | Mic in<br>Line out                | <b>Expansion Port</b> | 1 x M.2 2280 M-Key Slot (for NVME SSD)<br>1 x M.2 2230 E-Key Slot (for Wi-Fi module or Hailo 8™ AI accelerator module)<br>1 x PCIe 5.0 (x16) slot |
| <b>LAN</b>         | 2 x 2.5 Giga LAN RJ45 Connector   | <b>Indicator</b>      | 1 x LED Indicator for power<br>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

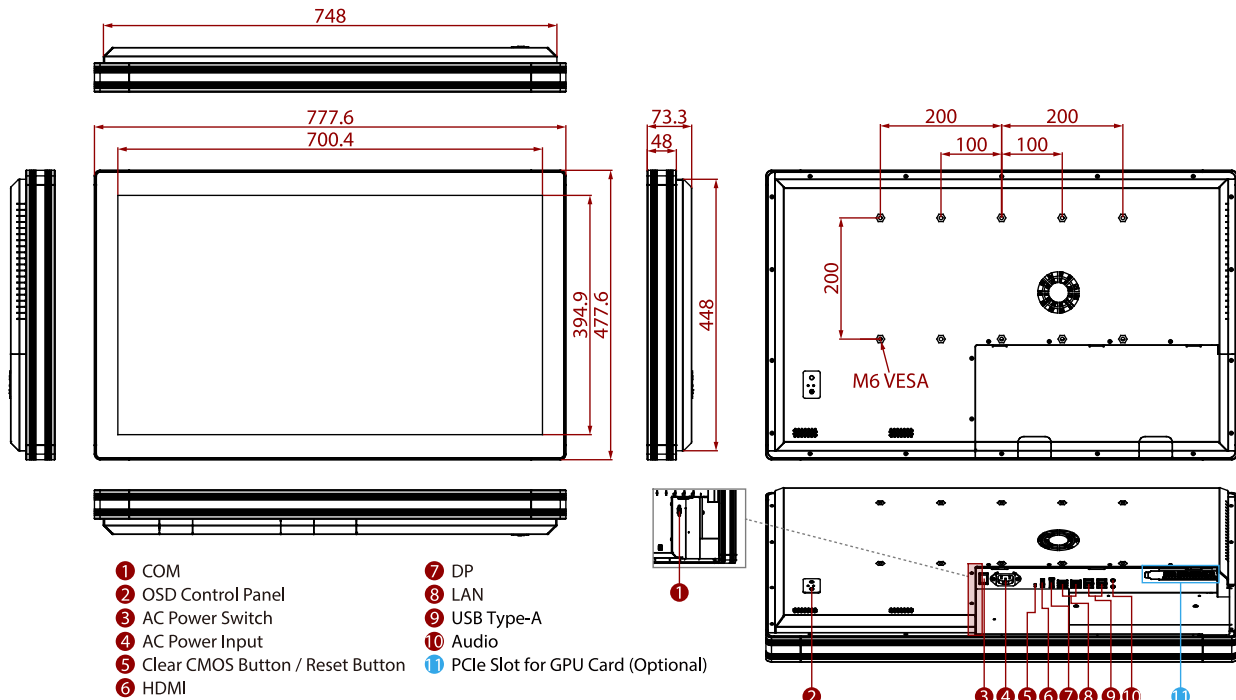
## Accessory

**Accessory** Power Cord  
VESA screws

## Power

|                     |  |                    |  |
|---------------------|--|--------------------|--|
| <b>Power Rating</b> | 80 ~ 264VAC<br>90 ~ 264VAC (With NVIDIA® RTX A4000 16GB Graphic Card Sku) (Optional) | <b>Consumption</b> | 300W<br>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.



## Assured Systems

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### US

[sales@assured-systems.com](mailto:sales@assured-systems.com)

Sales: +1 347 719 4508  
Support: +1 347 719 4508

1309 Coffeen Ave  
Ste 1200  
Sheridan  
WY 82801  
USA

### EMEA

[sales@assured-systems.com](mailto:sales@assured-systems.com)

Sales: +44 (0)1785 879 050  
Support: +44 (0)1785 879 050

Unit A5 Douglas Park  
Stone Business Park  
Stone  
ST15 0YJ  
United Kingdom

VAT Number: 120 9546 28  
Business Registration Number: 07699660