

# 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

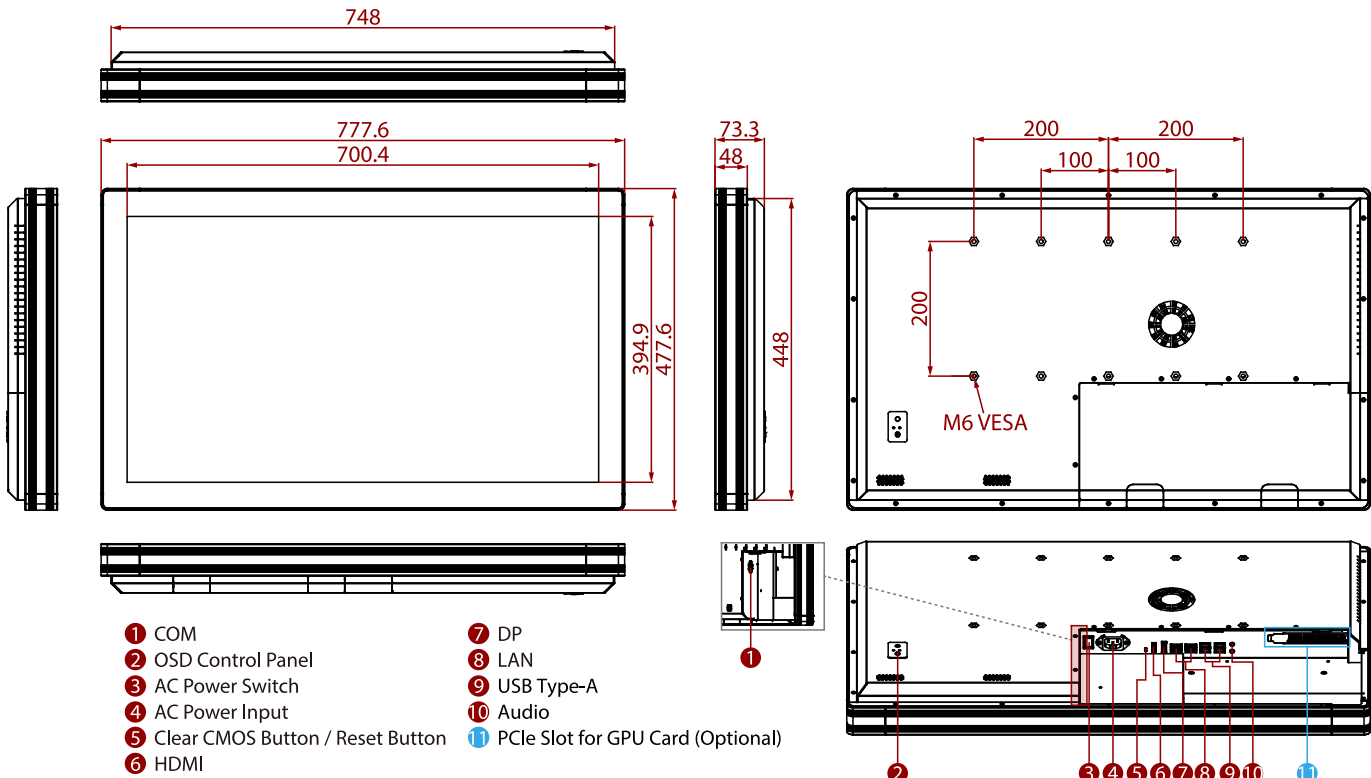


### SPECIFICATIONS

| Display              |                                                                                                                                                                                                  |                       |                                                                                                               |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------------------------------------------------------------------------------------------------|
| Resolution           | 1920x1080                                                                                                                                                                                        | Size                  | 32.0 inches                                                                                                   |
| Contrast Ratio       | 4000:1                                                                                                                                                                                           | Panel Brightness      | 400.0 nits                                                                                                    |
| View Angles          | 89,89,89,89                                                                                                                                                                                      | Active Area           | 698.4x392.85 mm                                                                                               |
| Touch / Glass        | Projected Capacitive Multi Touch Screen                                                                                                                                                          |                       |                                                                                                               |
| System Specification |                                                                                                                                                                                                  |                       |                                                                                                               |
| Processor            | 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) | Chipset               | Intel® R680E                                                                                                  |
| Memory               | SO-DIMM, DDR5 4800 MHz, 8+8GB<br>16+16GB (Optional)<br>32+32GB (Optional)                                                                                                                        | Storage               | 1 x M.2 2280 M-Key NVMe SSD, 512GB<br>1TB (Optional)<br>2TB (Optional)                                        |
| Ethernet controller  | 2 x Intel® 2.5 Gigabit Ethernet Controller                                                                                                                                                       | Security              | TPM 2.0                                                                                                       |
| Operating System     | 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)                                                 | WLAN                  | Support (Optional)                                                                                            |
| BT                   | Support (Optional)                                                                                                                                                                               | AI Accelerator        | Hailo 8™ AI accelerator module, up to 26 TOPS(When using this feature, WLAN will not be supported) (Optional) |
| Graphic Card         | NVIDIA® RTX A4000 16GB Graphic Card (Optional)<br>NVIDIA® RTX A2000 12GB Graphic Card (Optional)<br>NVIDIA® T1000 8GB Graphic Card (Optional)                                                    |                       |                                                                                                               |
| Mechanical           |                                                                                                                                                                                                  |                       |                                                                                                               |
| Dimension            | 777.6 x 477.6 x 73.3 mm                                                                                                                                                                          | Weight                | 14.8 kg                                                                                                       |
| Mounting             | VESA Mount                                                                                                                                                                                       | Enclosure             | Metal Housing                                                                                                 |
| Cooling System       | Fan design                                                                                                                                                                                       |                       |                                                                                                               |
| Environment          |                                                                                                                                                                                                  |                       |                                                                                                               |
| Operating Humidity   | 10% to 90% RH, Non-Condensing                                                                                                                                                                    | Operating Temperature | 0°C to 55°C                                                                                                   |
| Storage Temperature  | -10°C to 60°C                                                                                                                                                                                    | IP rating             | Front IP65                                                                                                    |

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

