

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
- 90 ~ 264 VAC Power Input with 3 Pin AC Plug



SPECIFICATIONS

Display

| | | | |
|-----------------------|---|-------------------------|-----------------|
| Resolution | 1920x1080 | Size | 27.0 inches |
| Contrast Ratio | 3000:1 | Panel Brightness | 300.0 nits |
| View Angles | 89,89,89,89 | Active Area | 597.6x336.15 mm |
| Touch / Glass | Projected Capacitive Multi Touch Screen | | |

System Specification

| | | | |
|----------------------------|--|-----------------------|---|
| Processor | 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) | Chipset | Intel® R680E |
| Memory | SO-DIMM, DDR5 4800 MHz, 8+8GB 16+16GB (Optional) 32+32GB (Optional) | Storage | 1 x M.2 2280 M-Key NVMe SSD, 512GB 1TB (Optional) 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) Windows 11 Pro 64 bit (Optional) 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) NVIDIA® RTX A2000 12GB Graphic Card (Optional) NVIDIA® T1000 8GB Graphic Card (Optional) | | |

Mechanical

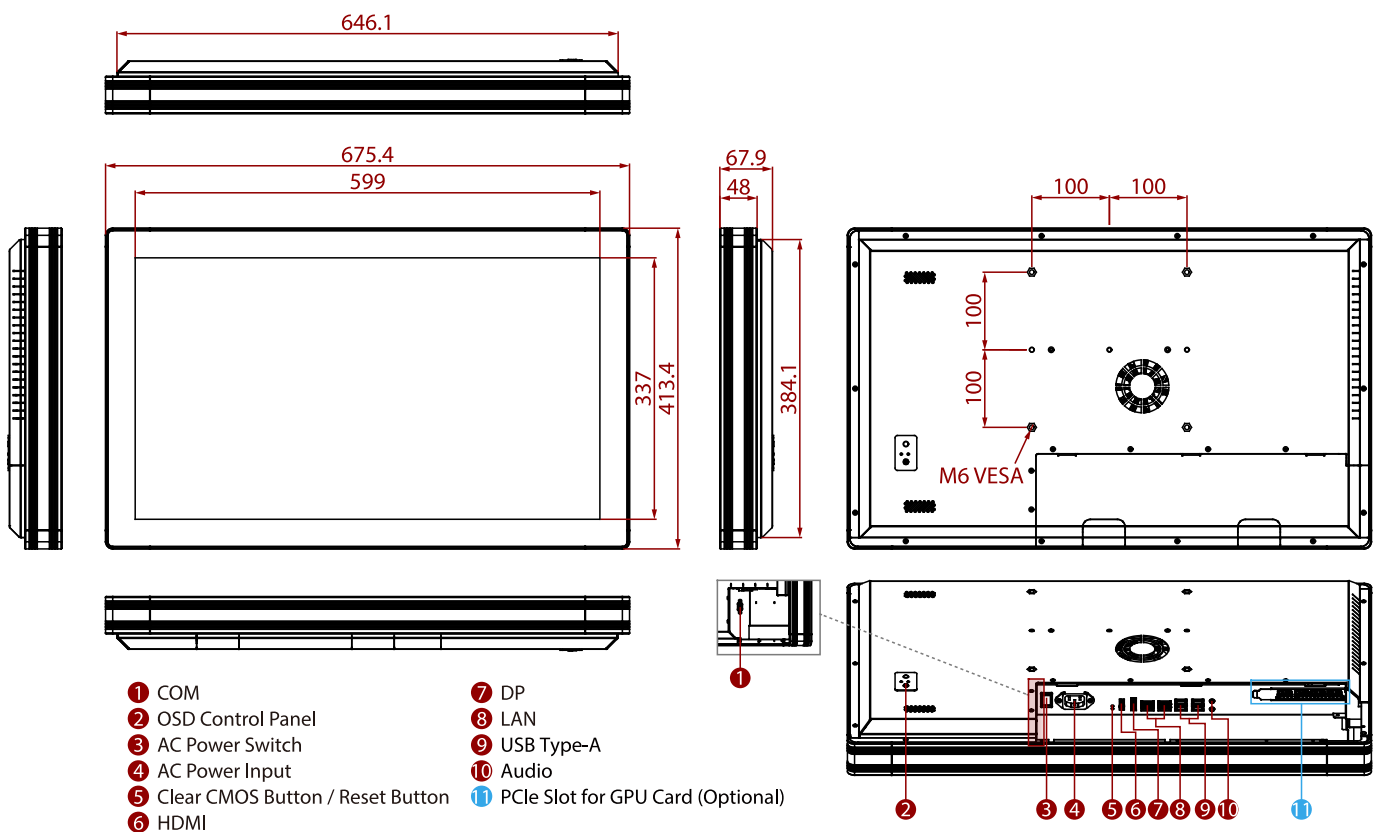
| | | | |
|-----------------------|-------------------------|------------------|---------------|
| Dimension | 675.4 x 413.4 x 67.9 mm | Weight | 10.2 kg |
| Mounting | VESA mount | Enclosure | Metal Housing |
| Cooling System | Fan Design | | |

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 |
| 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 | 90 ~ 264VAC |
| Consumption | 500W |

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.