

# W27IAD7T-POA1

## 27" Intel® Core™ Alder Lake LGA 1700 PO Series HMI Panel PC



### KEY FEATURES

- 12th Gen Intel® Core™ Alder Lake S Socket LGA 1700 i9 / i7/ i5 / i3 processor
- 1920 x 1080 resolution
- Projected capacitive multi-touch screen
- Multi display supports HDMI / LVDS / eDP panel interface
- Multiple I/Os, 2 x Serial Ports, 4 x USB 3.2 Gen2x1 Ports
- Front IP65 water and dust proof
- 12V single voltage power input

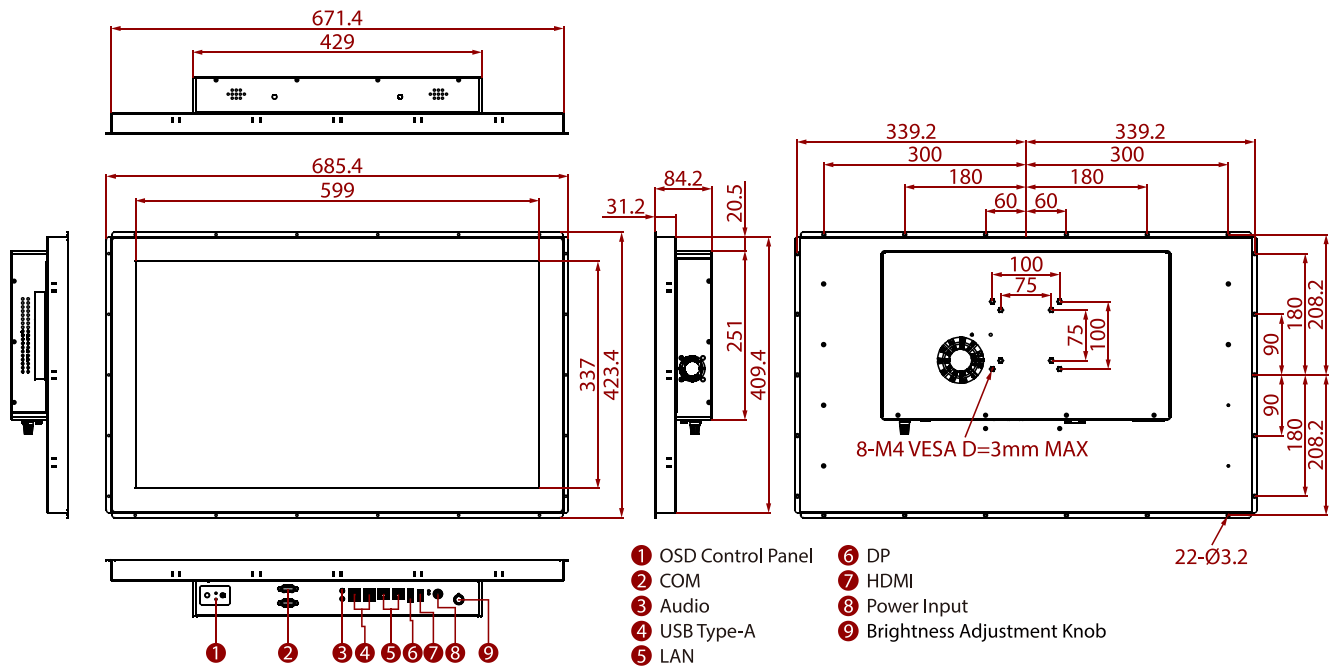


### SPECIFICATIONS

Display			
<b>Resolution</b>	1920x1080		
<b>Contrast Ratio</b>	3000:1		
<b>View Angles</b>	89,89,89,89		
<b>Size</b>	27.0 inches		
<b>Panel Brightness</b>	300.0 nits		
<b>Active Area</b>	599x337 mm		
System Specification			
<b>Processor</b>	Intel® Core™ i5-12500TE(up to 4.3GHz) Intel® Core™ i9-12900TE(up to 4.80GHz) (Optional) Intel® Core™ i7-12700TE(up to 4.6GHz) (Optional) Intel® Core™ i3-12100TE(up to 4.00GHz) (Optional)	<b>Chipset</b>	Intel® Q670 Intel® H610 (Optional) Intel® R680E (Optional)
<b>Memory</b>	2 x SO-DIMM, DDR5 4800 MHz, 8GB 16GB (Optional) 32GB (Optional) 64GB (Optional)	<b>Storage</b>	1 x M.2 M-Key 2242 SATA SSD or 1 x M.2 M-Key 2280 NVMe SSD 128GB 256GB (Optional) 512GB (Optional) 1TB(for NVMe) (Optional) 2TB(for NVMe) (Optional) 4TB(for NVMe) (Optional) 2 x SATA III (Only R680E/Q670 version support) (RAID support) (Optional)
<b>Ethernet controller</b>	2 x Intel® 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) Windows 10 IoT Enterprise (64 bit) (Optional) Linux Ubuntu 22.04 (Optional)		
Mechanical			
<b>Dimension</b>	685.4 x 423.4 x 84.2 mm	<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 50°C
<b>Storage Temperature</b>	-10°C to 60°C		
Certification			
<b>Certification</b>	CE, FCC		

IO Ports			
<b>Power Input</b>	1 x 12V DC, Din4 pin connector	<b>USB Port</b>	4 x USB 3.2 Gen2x1 (10Gbps, TypeA) (R680E/Q670 version) 4 x USB 3.2 Gen1x1 (5Gbps, TypeA) (H610 version)
<b>Video</b>	1 x DP1.4a DP++ , Max resolution up to 4096x2160@60Hz 1 x HDMI 2.0b , Max resolution up to 4096x2160@60Hz (Optional)	<b>Audio</b>	Mic in Line out
<b>Expansion Port</b>	1 x M.2 (Key E) with PCIe x1, USB 2.0 for wireless 1 x M.2 (Key M, 2242/2280) with PCIe or SATAIII for SSD 1 x PCIe 5.0 (x16) slot	<b>LAN</b>	2 x Giga LAN RJ45 Connector
Control			
<b>Button</b>	1 x Power Button 1 x Reset Button		
Accessory			
<b>Accessory</b>	100~240V AC to DC Adapter Power Cord VESA screws		
Power			
<b>Power Rating</b>	12V DC	<b>Adapter</b>	12V 210W

## 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.