

W27IAD7T-POA1

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



KEY FEATURES

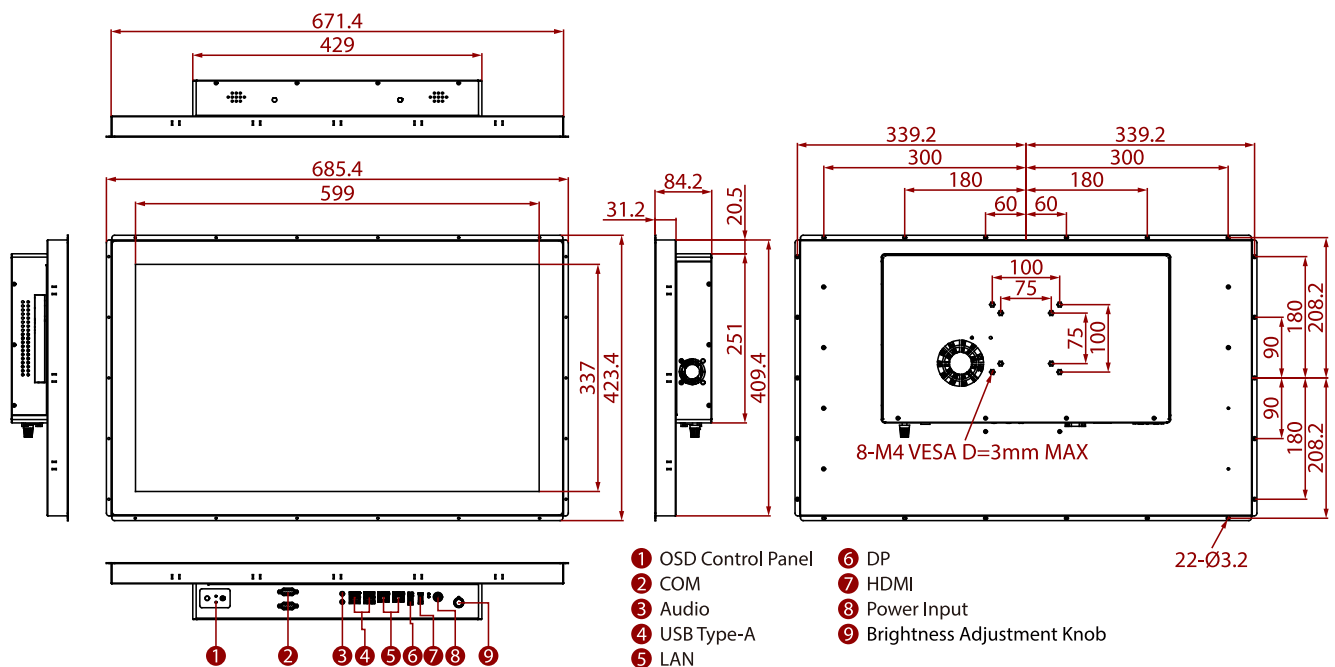
- 12th Gen Intel® Core™ Alder Lake S Socket LGA 1700 i9 / i7 / i5 / i3 processor
- 1920 x 1080 resolution
- Projected capacitive multi-touch screen
- Multi display supports HDMI / LVDS / eDP panel interface
- Multiple I/Os, 2 x Serial Ports, 4 x USB 3.2 Gen2x1 Ports
- Front IP65 water and dust proof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



SPECIFICATIONS

Display			
Resolution	1920x1080	Size	27.0 inches
Contrast Ratio	3000:1	Panel Brightness	300.0 nits
View Angles	89,89,89,89	Active Area	599x337 mm
System Specification			
Processor	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)	Chipset	Intel® Q670 Intel® H610 (Optional) Intel® R680E (Optional)
Memory	2 x SO-DIMM, DDR5 4800 MHz, 8GB 16GB (Optional) 32GB (Optional) 64GB (Optional)	Storage	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)
Ethernet controller	2 x Intel® Ethernet Controller	Security	TPM 2.0
Operating System	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			
Dimension	685.4 x 423.4 x 84.2 mm	Mounting	VESA Mount
Enclosure	Metal Housing	Cooling System	Fan design
Environment			
Operating Humidity	10% to 90% RH, Non-Condensing	Operating Temperature	0°C to 50°C
Storage Temperature	-10°C to 60°C		
Certification			
Certification	CE, FCC		

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



- 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.