

W27IAD7T-PCA1

27" Intel® Core™ Alder Lake LGA 1700 PCAP Standalone 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 DP / HDMI / LVDS / eDP panel interface
- Multiple I/Os, 1 x Serial Ports, 4 x USB 3.2 Gen2x1 Ports
- A true flat, easy-to-clean front surface with edge-to-edge design
- Front IP65 water and dust proof
- Aluminum housing
- 12V single voltage power input

INTRODUCTION

Winmate Standalone Panel PC (Big size & P-CAP) Series, ranging from 27.5" to 42.5", offers cutting-edge performance and versatility for industrial and commercial applications. Powered by Intel® Core™ processors, these PCs feature a Projected Capacitive Multi-Touch screen, 1920x1080 resolution, and robust aluminum housing. Designed with front IP65 water and dust protection, edge-to-edge easy-to-clean surfaces, and multiple I/Os, including USB and serial ports, these panel PCs are ideal for industrial control, interactive kiosks, and digital signage, delivering reliability and precision in

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			
WLAN	Support (Optional)	BT	Support (Optional)
Processor	Intel® Core™ i5-12500TE(up to 4.3GHz) (Default) 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® R680E
Memory	2 x non-ECC SO-DIMM RAM, up to 64GB (32GB per DIMM)	Storage	128GB SSD(Default) (Default) 256GB SSD (Optional) 512GB SSD (Optional) 1TB (Optional) 2TB (Optional) 4TB (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)		

Linux Ubuntu 22.04(Do not support Wake on Touch) (Optional)

Mechanical

Dimension	675.4 x 413.4 x 64.5 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 50°C
Storage Temperature	-10°C to 60°C	IP rating	Front IP65

Certification

Certification	CE, FCC
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IO Ports

Power Input	1 x 12V DC, Din4 pin connector	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 (Default) 1 x HDMI 2.0b , Max resolution up to 4096x2160@60Hz (Optional)
Audio	Mic in Line out	Expansion Port	1 x M.2 2230 E-Key Slot (for Wi-Fi module)
LAN	2 x 2.5 Giga LAN RJ45 Connector		

Control

Button	1 x Power Button 1 x Reset Button
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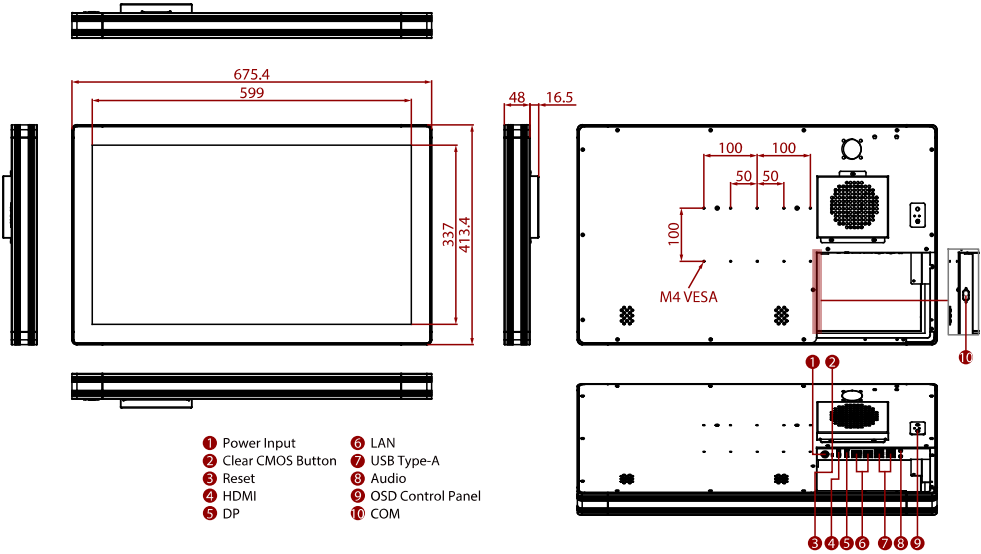
Accessory

Accessory	100~240V AC to DC Adapter Power Cord VESA screws
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Power

Power Rating	12V DC	Adapter	12V 220W
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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.