

W27IT7T-PCA1

27" Intel® Core™ i5-1135G7 (Tiger Lake UP3) PCAP Standalone HMI Panel PC



KEY FEATURES

- Intel® 11th Generation Core™ i5-1135G7 (Tiger Lake UP3) Processor, PCAP Chassis HMI
- Front IP65 for protection against water and dust
- A true flat, easy-to-clean front surface with edge-to-edge design
- VESA mount
- Plenty of I/Os including USB 3.2 Gen2 x 1, RS232 serial port and Gigabit Ethernet ports

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 i5-1135G7 2.4GHz (up to 4.2GHz)	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)	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

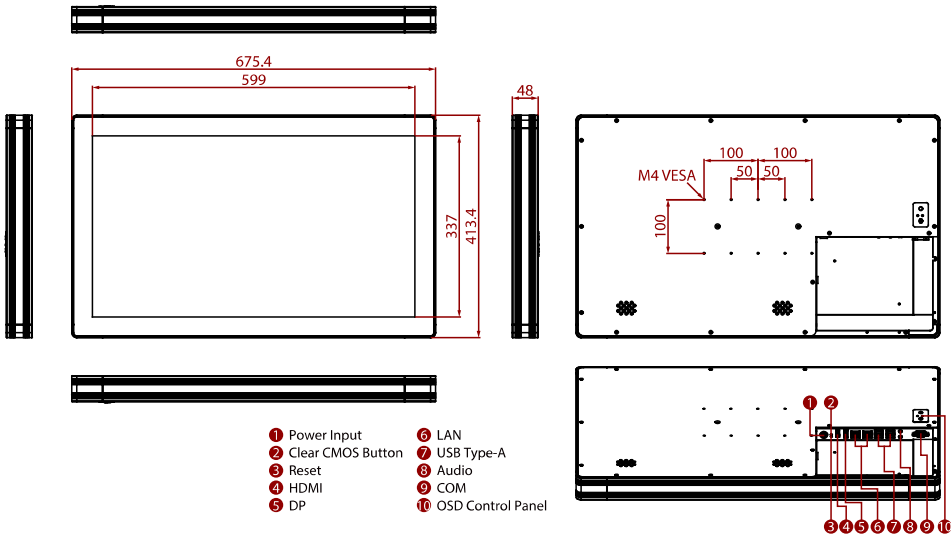
Dimension	675.4 x 413.4 x 48 mm	Weight	10.4 kg
Mounting	VESA mount	Enclosure	Metal Housing
Cooling System	Fanless Design		

Environment

Operating Humidity	10% to 90% RH, Non-Condensing	Operating Temperature	0°C to 50°C
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Storage Temperature	-10°C to 60°C	IP rating	Front IP65
Certification			
Certification	CE, FCC		
IO Ports			
Power Input	1 x 12V DC, Din4 pin connector	USB Port	4 x USB3.2 Gen2x1 (Type-A)
Serial Port	1 x RS232/422/485 (Default RS232)	Video	1 x DP1.4 (Default) 1 x HDMI 2.0 (Optional)
Audio	Mic in Line out	Expansion Port	1 x M.2 2230 E-Key Slot (for Wi-Fi module)
LAN	1 x Giga LAN RJ45 Connector 1 x 2.5 Giga LAN RJ45 Connector	Indicator	1 x LED Indicator for power 1 x LED Indicator for storage
Brightness Knob	1 x Brightness Adjustment Knob		
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 120W

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.