W22IT7T-POA3

21.5" Intel® Core™ i5 (Tiger Lake) PO Series HMI Panel PC



KEY FEATURES

- Intel® Core™ Tiger Lake UP3 i5-1135G7 (Without vPro)/ Intel® Core™ Tiger Lake UP3 i5-1145G7E (With vPro)
- 1920 x 1080 Resolution
- Projected capacitive multi-touch screen
- Multi display supports DP / HDMI / LVDS / eDP panel interface
- Multiple I/Os, 2 x Serial Ports, 4 x USB 3.2 Gen. 1 Ports
- Front IP65 water and dust proof
- 12V Single Voltage Power Input



OVERVIEW



Convenient Onscreen Operations with PCAP Multi-Touch

The Open Frame HMI panel PCs deliver an exceptional touch experience through their projected capacitive (PCAP) multi-touch screens. This advanced technology enhances user interaction and convenience, significantly improving the overall customer experience. Enjoy effortless navigation and responsiveness with every touch!



Suitable for Condensed Spaces

The PO Series HMI panel PCs feature a modern flat bezel and an easy-to-mount open frame housing, making them ideal for various industrial embedded and kiosk applications. Designed for banking, healthcare, retail, transportation, and other vertical markets, these panel PCs blend contemporary design with functional versatility.



2TB (Optional)

1 x SATA III for 2.5" SSD/HDD up to 2TB (Optional)

Rich I/O Interface for IoT Connectivity

The PO Series HMI panel PCs are engineered for high performance, boasting a comprehensive I/O interface that powers innovative industrial IoT solutions. With serial ports, USB ports, LAN, video, and audio capabilities, these devices ensure seamless connectivity. Their user-friendly design and versatility make them the perfect choice for a variety of vertical applications. Experience excellence in every interaction!

SPECIFICATIONS

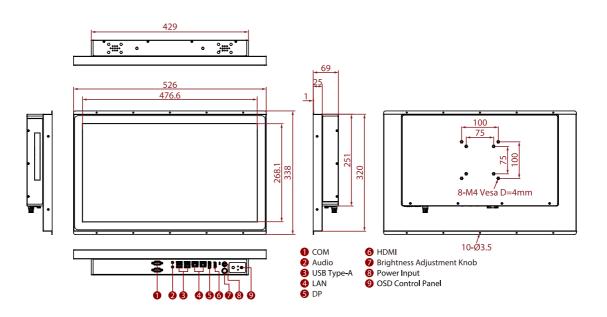
Display				
Resolution	1920x1080	Size	21.5 inches	
Contrast Ratio	3000:1	Panel Brightness	250.0 nits	
View Angles	89,89,89,89	Active Area	476.64x268.11 mm	
Touch / Glass	Projected Capacitive Multi Touch Screen			
System Specific	ation			
WLAN	Support (Optional)	ВТ	Support (Optional)	
Processor	Intel Core i5-1135G7 2.4GHz (up to 4.2GHz)	Memory	1 x SO-DIMM, DDR4 3200 MHz, 4GB 8GB (Optional) 16GB (Optional) 32GB (Optional) 2 x SO-DIMM, DDR4 3200 MHz, 4GB (Optional) 8GB (Optional) 16GB (Optional) 32GB (Optional) 64GB (Optional)	
Storage	1 x M.2 M-Key 2280 NVMe SSD 128GB 256GB (Optional) 512GB (Optional) 1TB (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	526 x 338 x 69 mm	Weight	5.5 kg
Mounting	Open Frame Panel Mount 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
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 USB3.2 Gen2x1 (Type-A)
Serial Port	1 x RS232/422/485 (Default RS232) 1 x RS232	Video	1 x DP1.4 1 x HDMI 2.0 (Optional)
Audio	Mic in Line out	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) 1 x PCle 4.0 (x16) slot (x4 signal)
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			

DIMENSIONS UNIT:MM

Power Rating

12V DC



Adapter

12V 120W

NOTE

- This is a simplified drawing and some components are not marked in detail.
 Please contact our sales representative if you need further product information.
 All specifications are subject to change without prior notice.
 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.