

# W22IK7T-POA3

## 21.5" Intel® Core™ i3/i5/i7 PO Series HMI Panel PC



### KEY FEATURES

- 21.5" 1920 x 1080 Resolution
- 7th Gen. Intel® Core™ i3/i5/i7 processor (Kabylake)
- Flexible storage devices, one 2.5" HDD and one SSD
- Multiple I/Os, 2 x Serial Ports, 4 x USB 3.0 Ports
- 12 V DC Power input
- DP Support 4096 x 2304 @ 60 Hz
- HDMI Support 4096 x 2304 @ 24 Hz



### SPECIFICATIONS

Display	
<b>Resolution</b>	1920x1080
<b>Contrast Ratio</b>	3000:1
<b>View Angles</b>	89,89,89,89
<b>Touch / Glass</b>	Projected Capacitive Multi Touch Screen
<b>Size</b>	21.5 inches
<b>Panel Brightness</b>	250 nits
<b>Active Area</b>	476.64x268.11 mm
System Specification	
<b>Processor</b>	Intel® Core™ i7-7700T (8M Cache, 2.9 GHz up to 3.80 GHz) Intel® Core™ i5-7500T (6M Cache, 2.7GHz up to 3.30 GHz) Intel® Core™ i3-7100T (4M Cache, 3.34 GHz)
<b>Memory</b>	1 x SO-DIMM, DDR4 2400 MHz, 4GB 8GB (Optional) 16GB (Optional) 2 x SO-DIMM, up to 32GB (Optional)
<b>Ethernet controller</b>	Intel® Ethernet Controller I211-AT + Intel® Ethernet Connection I219-LM
<b>Operating System</b>	Windows 10 IoT Enterprise (Optional) Linux Ubuntu 18.04 (Optional) Linux Ubuntu 20.04 (Optional)
<b>Chipset</b>	Intel® H170
<b>Storage</b>	1 x M.2 2242 B-key SSD 64GB. M.2 2242 B-key SSD Up to 512GB. (Optional) 1 x 2.5" SSD / HDD (Optional) 2 x SATA III support RAID 0,1 (Optional)
<b>BT</b>	Support (Optional)
<b>Security</b>	TPM 2.0
<b>WLAN</b>	Support (Optional)
Mechanical	
<b>Dimension</b>	525 x 338 x 69 mm
<b>Enclosure</b>	Metal Housing
<b>Mounting</b>	Open Frame panel mount VESA Mount
<b>Cooling System</b>	Fan design
Environment	
<b>Operating Humidity</b>	10% to 90% (non-condensing)
<b>Storage Temperature</b>	-10~60°C
<b>Operating Temperature</b>	0~50°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 USB3.2 Gen.1 (Type-A)

<b>Serial Port</b>	1 x RS232/422/485 (Default RS232) 1 x RS232	<b>Video</b>	1 x DP1.2 1 x HDMI 1.4 (Optional)
<b>Audio</b>	1 x Mic in 1 x Line out 2 x Speaker	<b>Expansion Port</b>	2 x M.2 slot(1 for WiFi, 1 for SSD) 1 x PCIe 16 (Optional)
<b>LAN</b>	2 x Giga LAN RJ45 Connector	<b>Indicator</b>	1 x LED Indicator for power 1 x LED Indicator for storage
<b>Brightness Knob</b>	1 x Brightness Adjustment Knob		

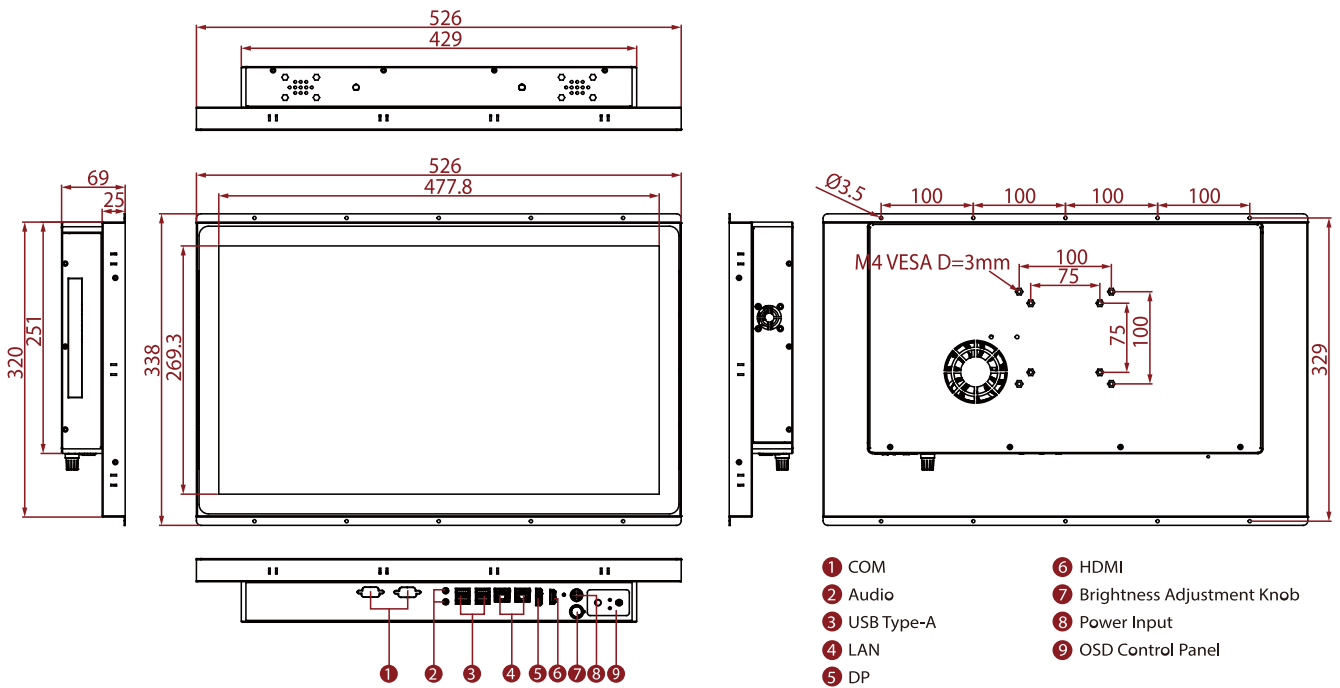
<b>Control</b>			
<b>Button</b>	1 x Power Button 1 x Reset Button		

<b>Accessory</b>			
<b>Accessory</b>	100~240V AC to DC Adapter Power Cord Driver CD & Manual VESA screws		

<b>Power</b>			
<b>Power Rating</b>	12V DC (Lockable Power Jack)	<b>Adapter</b>	12V 120W

## DIMENSIONS UNIT:MM

### Winmate W22IK7T-POA3



## NOTE

1. This is a simplified drawing and some components are not marked in detail.
2. 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.
3. All specifications are subject to change without prior notice.