

# W27IAD3S-PPA1

## 27" Intel® Core™ i5-1235U PP Series HMI Panel PC



### KEY FEATURES

- Intel® Core™ i5-1235U 3.3GHz (up to 4.40 GHz)
- 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, 2 x USB 3.2 Gen2x1 Ports
- Front IP65 water and dust proof
- Aluminum housing
- 12V Single Voltage Power Input

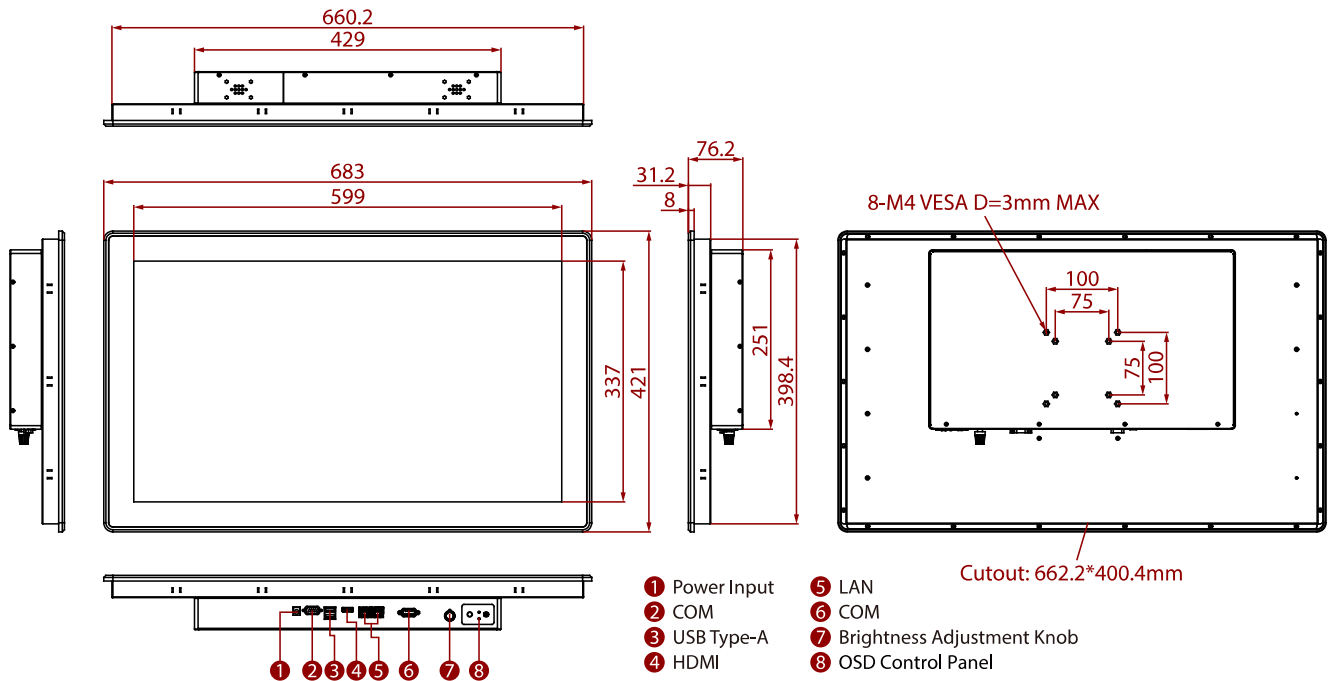


### SPECIFICATIONS

Display	
<b>Resolution</b>	1920x1080
<b>Contrast Ratio</b>	3000:1
<b>View Angles</b>	89,89,89,89
<b>Size</b>	27.0 inches
<b>Panel Brightness</b>	300.0 nits
<b>Active Area</b>	599x337 mm
System Specification	
<b>WLAN</b>	Support (Optional)
<b>Processor</b>	Intel® Core™ i5-1235U 3.3GHz(up to 4.40 GHz)
<b>Storage</b>	1 x M.2 2280 M-Key NVMe SSD 128GB 256GB (Optional) 512GB (Optional) 1TB (Optional) 2TB (Optional) 1 x SATA III for 2.5" SSD/HDD up to 2TB (Optional)
<b>Security</b>	TPM 2.0
<b>BT</b>	Support (Optional)
<b>Memory</b>	1 x SO-DIMM, DDR5 4800 MHz, 8GB 16GB (Optional) 32GB (Optional)
<b>Ethernet controller</b>	2 x Intel® Ethernet Controller
<b>Operating System</b>	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	
<b>Dimension</b>	683 x 421 x 76.2 mm
<b>Mounting</b>	Panel mount VESA Mount
<b>Cooling System</b>	Fanless design
<b>Weight</b>	11.6 kg
<b>Enclosure</b>	Metal Housing
<b>Cut out</b>	666.2 x 400.4 mm
Environment	
<b>Operating Humidity</b>	10% to 90% RH, Non-Condensing
<b>Storage Temperature</b>	-10°C to 60°C
<b>Operating Temperature</b>	0°C to 50°C
<b>IP rating</b>	Front IP65
Certification	
<b>Certification</b>	CE, FCC
IO Ports	
<b>Power Input</b>	1 x 12V DC, 2.5φ DC jack
<b>Serial Port</b>	1 x RS232/422/485 (Default RS232)
<b>USB Port</b>	2 x USB3.2 Gen2x1 (Type-A)
<b>Video</b>	1 x HDMI 2.0 (Optional)

<b>Expansion Port</b>	1 x RS232 1 x M.2 2280 M-Key Slot (for NVME SSD) 1 x M.2 2230 E-Key Slot (for Wi-Fi module)	<b>LAN</b>	2 x Giga LAN RJ45 Connector
<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 VESAs screws		
<b>Power</b>			
<b>Power Rating</b>	12V DC	<b>Adapter</b>	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.