

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

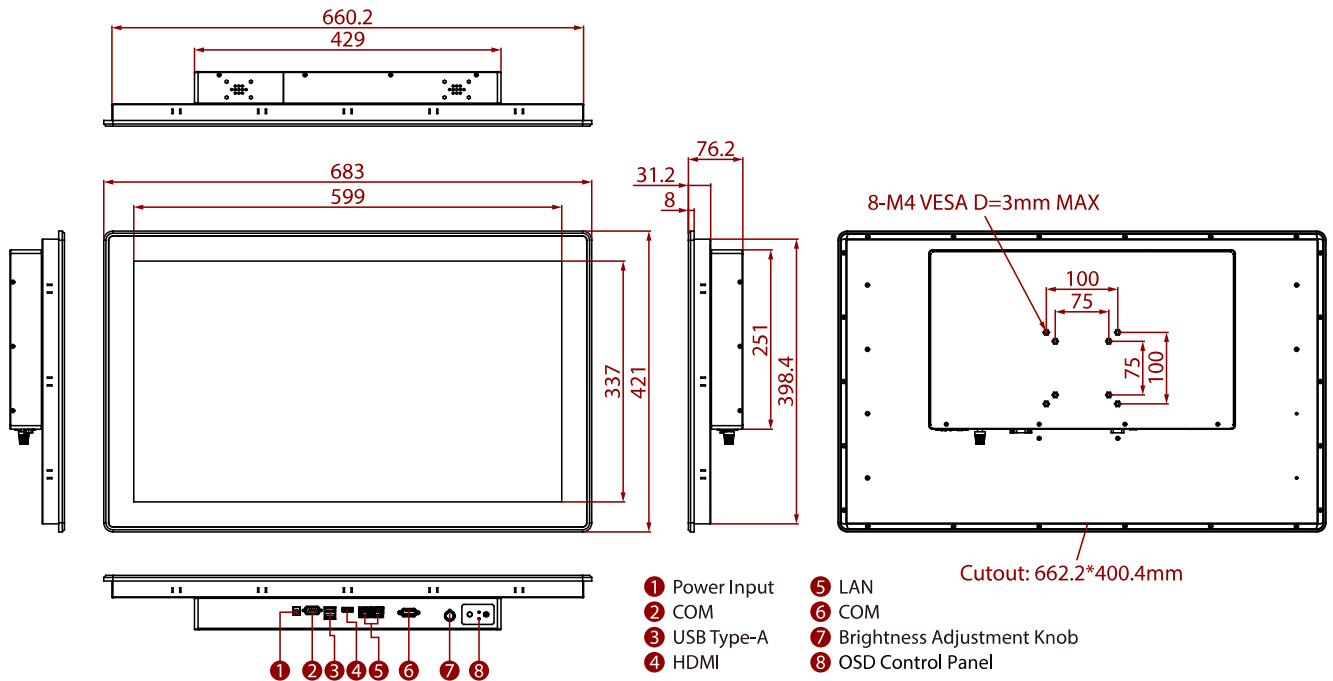


SPECIFICATIONS

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

Expansion Port	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)	LAN	2 x Giga LAN RJ45 Connector
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.