

# W12IAD3S-VMM9(HB)

## 12.1" Intel® Core™ i5-1235U G-WIN Vehicle Mount Panel PC



### KEY FEATURES

- Wide 12.1" Panel, 1280 x 800 resolution, 400 nits (Optional for 1000 nits)
- 12th Gen Intel® Core™ i5-1235U processor
- -10 ~ +55°C Wide Range Operating Temperature
- Aluminum housing with anti-corrosion treatments. Fanless Design
- Wide Range 9 to 36V DC Input with isolation. Optional for Ignition On/Off delay
- Resistive Touch / Anti-Reflective Protection Glass (Optional)
- Front IP65 (Except I/O parts)
- Anti-Shock & Vibration compliant with MIL-STD-810F/G



### SPECIFICATIONS

#### System Specification

<b>WLAN</b>	Support (Optional)	<b>BT</b>	Support (Optional)
<b>Processor</b>	Intel® Core™ i5-1235U 3.3GHz(up to 4.40 GHz)	<b>Memory</b>	1 x SO-DIMM, DDR5 4800 MHz, 8GB 16GB (Optional) 32GB (Optional)
<b>Storage</b>	1 x M.2 2280 M-Key NVMe SSD 128GB 256GB (Optional) 512GB (Optional) 1TB (Optional) 2TB (Optional)	<b>Ethernet controller</b>	2 x Intel® Ethernet Controller
<b>Security</b>	TPM 2.0	<b>Operating System</b>	*Note : Only Windows 11 support Wake on touch 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)

#### Display

<b>Resolution</b>	1280x800	<b>Size</b>	12.1 inches
<b>Contrast Ratio</b>	1000:1	<b>Panel Brightness</b>	400.0 nits
<b>View Angles</b>	88,88,88,88	<b>Active Area</b>	261.12x163.2 mm
<b>Touch / Glass</b>	Resistive Touch Screen (Optional) Protection Glass Without Touch Function (Optional)	<b>Optional function</b>	High brightness Panel for sunlight readable (Optional)

#### Mechanical

<b>Dimension</b>	310 x 215 x 52.7 mm	<b>Weight</b>	2.8 kg
<b>Mounting</b>	VESA Mount	<b>Enclosure</b>	Aluminum Housing
<b>Cooling System</b>	Fanless design		

#### Environment

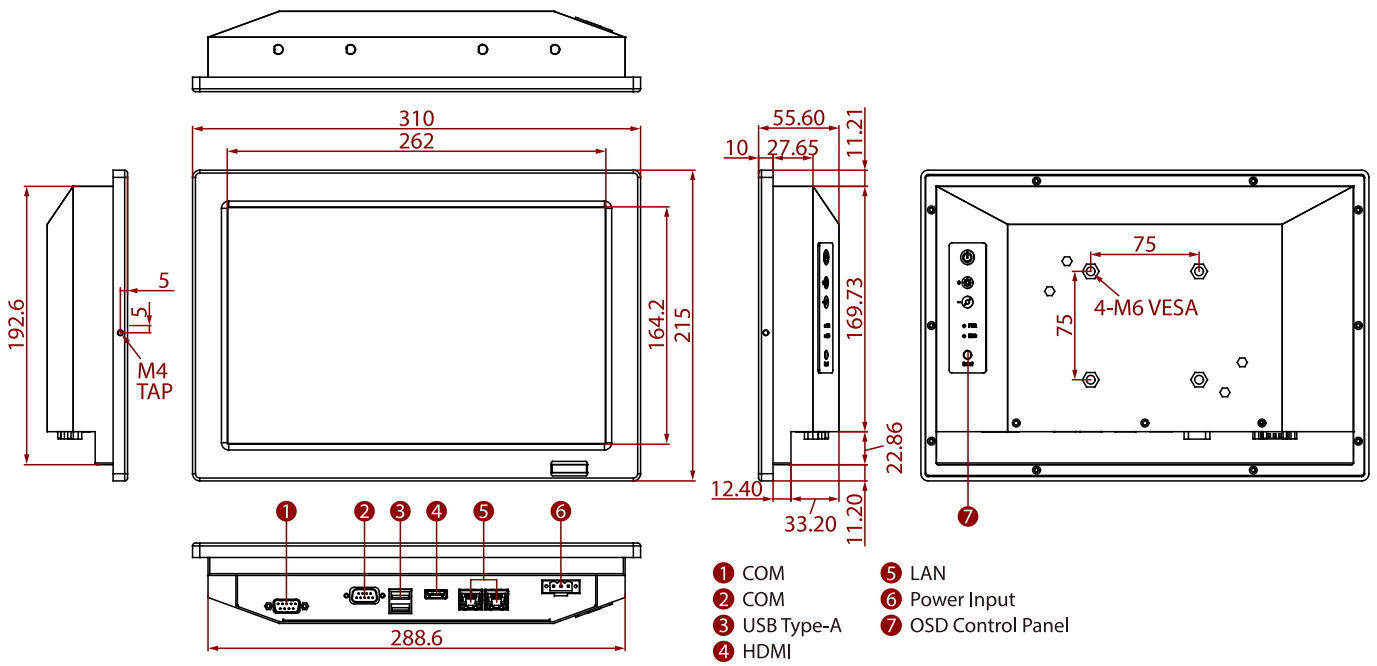
<b>Operating Humidity</b>	10% to 90% RH, Non-Condensing	<b>Operating Temperature</b>	-10°C to 55°C
<b>Storage Temperature</b>	-30°C to 70°C	<b>Shock</b>	MIL-STD-810G Method 516.6 Procedure I (Optional)
<b>Vibration</b>	MIL-STD-810G Method 514.6 Procedure I	<b>IP rating</b>	Front IP65

#### Certification

<b>Certification</b>	CE, FCC
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IO Ports			
<b>Power Input</b>	1 x 9~36V DC, 3-Pin Terminal Block	<b>USB Port</b>	2 x USB3.2 Gen2x1 (Type-A)
<b>Serial Port</b>	1 x RS232/422/485 (Default RS232) 1 x RS232	<b>Video</b>	1 x HDMI 2.0 (Optional)
<b>Expansion Port</b>	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 2.5 Giga LAN RJ45 Connector
<b>Indicator</b>	1 x LED Indicator for power 1 x LED Indicator for storage		
Control			
<b>Button</b>	1 x Power Button 1 x Reset Button 1 x Brightness Up button 1 x Brightness Down button		
Accessory			
<b>Accessory</b>	Open Wire Cable with terminal block connector VESA screws	<b>Optional Accessory</b>	100~240V AC to DC 120W Adapter with power cord (Optional)

**DIMENSIONS** UNIT:MM



**NOTE**

1. This is a simplified drawing and some components are not marked in detail.
2. Windows 10 operating system requires installing a new version of BIOS and OS image.
3. Windows 7 does not support the TPM 2.0 function.
4. Weight of the device varies by configuration.
5. Please contact our sales representative if you need further product information.
6. All specifications are subject to change without prior notice.
7. 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.