

# R12IAD3S-PPM2

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



### KEY FEATURES

- 12.1" 1024 x 768 Resolution with Projective Capacitive multi-touch screen
- 12th Gen Intel® Core™ i5-1235U processor
- 1 x SODIMM, DDR5 4800MHz, support up to 32GB
- Integrated Dual 2.5 Gigabit Ethernet
- Multiple I/Os, 2 x USB 3.2 Gen2x1, 2 x Serial Ports
- Front IP65 water and dust proof
- Aluminum housing and fanless design
- 12 V DC Power input

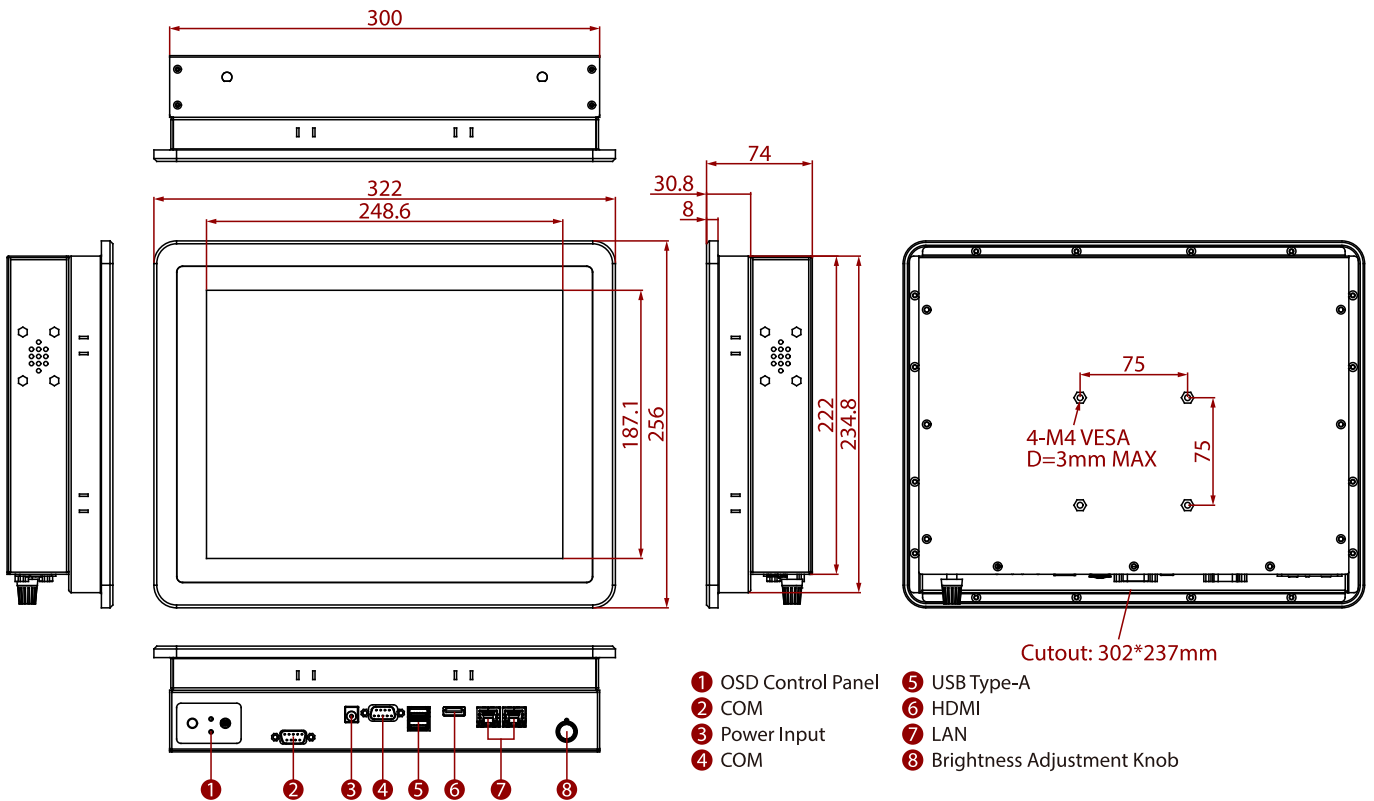


### SPECIFICATIONS

| Display                    |   |                              |   |
|----------------------------|---|------------------------------|---|
| <b>Resolution</b>          | 1024x768  | <b>Size</b>                  | 12.1 inches   |
| <b>Contrast Ratio</b>      | 1000:1  | <b>Panel Brightness</b>      | 500.0 nits  |
| <b>View Angles</b>         | 89,89,89,89   | <b>Active Area</b>           | 245.76x184.32 mm  |
| <b>Touch / Glass</b>       | Projected Capacitive Multi Touch Screen   |                              |   |
| 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<br>16GB (Optional)<br>32GB (Optional)   |
| <b>Storage</b>             | 1 x M.2 2280 M-Key NVMe SSD 128GB<br>256GB (Optional)<br>512GB (Optional)<br>1TB (Optional)<br>2TB (Optional)<br>1 x SATA III for 2.5" SSD/HDD up to 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<br>Windows 11 IoT Enterprise (64 bit) (Optional)<br>Windows 11 Pro 64 bit (Optional)<br>Windows 10 IoT Enterprise (64 bit) (Optional)<br>Linux Ubuntu 22.04 (Optional) |
| Mechanical                 |   |                              |   |
| <b>Dimension</b>           | 322 x 256 x 74 mm   | <b>Weight</b>                | 2.6 kg  |
| <b>Mounting</b>            | Panel mount<br>VESA Mount   | <b>Enclosure</b>             | Metal Housing   |
| <b>Cooling System</b>      | Fanless design  | <b>Cut out</b>               | 302 x 237 mm  |
| Environment                |   |                              |   |
| <b>Operating Humidity</b>  | 10% to 90% RH, Non-Condensing   | <b>Operating Temperature</b> | 0°C to 50°C   |
| <b>Storage Temperature</b> | -10°C to 60°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>USB Port</b>       | 2 x USB3.2 Gen2x1 (Type-A)  |
| <b>Serial Port</b>     | 1 x RS232/422/485 (Default RS232)<br>1 x RS232                           | <b>Video</b>          | 1 x HDMI 2.0 (Optional)   |
| <b>Audio</b>           | 2 x Speaker  | <b>Expansion Port</b> | 1 x M.2 2280 M-Key Slot (for NVME SSD)<br>1 x M.2 2230 E-KeySlot (for Wi-Fi Module) |
| <b>LAN</b>             | 2 x 2.5 Giga LAN RJ45 Connector  | <b>Indicator</b>      | 1 x LED Indicator for power<br>1 x LED Indicator for storage                        |
| <b>Brightness Knob</b> | 1 x Brightness Adjustment Knob   |                       |   |
| Control                |  |                       |   |
| <b>Button</b>          | 1 x Power Button<br>1 x Reset Button                                     |                       |   |
| Accessory              |  |                       |   |
| <b>Accessory</b>       | 100~240V AC to DC Adapter<br>Power Cord<br>VESA screws<br>Mounting clips |                       |   |
| Power                  |  |                       |   |
| <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.