

# W22IT7T-OFA3

## 21.5" Intel® Core™ i5 (Tiger Lake) Open Frame Panel PC



### KEY FEATURES

- 21.5" 1920 x 1080 Resolution
- Intel® Core™ Tiger Lake UP3 i5-1135G7 (Without vPro) / Intel® Core™ Tiger Lake UP3 i5-1145G7E (With vPro)
- Multi display supports DP / HDMI / LVDS / eDP panel interface
- Multiple I/Os, 2 x Serial Ports, 4 x USB 3.2 Gen. 1 Ports
- 12V Single Voltage Power Input



### OVERVIEW



#### Resistive Touch/ Optional Protective Glass

For the convenience of the operators in the industrial environment, the Panel PC offers flexible surface options such as cover glass (when touch is not required) and a resistive touch screen to meet different specifications.



#### Low Power Consumption

This Panel PC is designed for low power consumption and effective heat dissipation, making it durable for long-term usage in production facilities. It is the ultimate energy-efficient solution.



#### Rear and VESA mounting

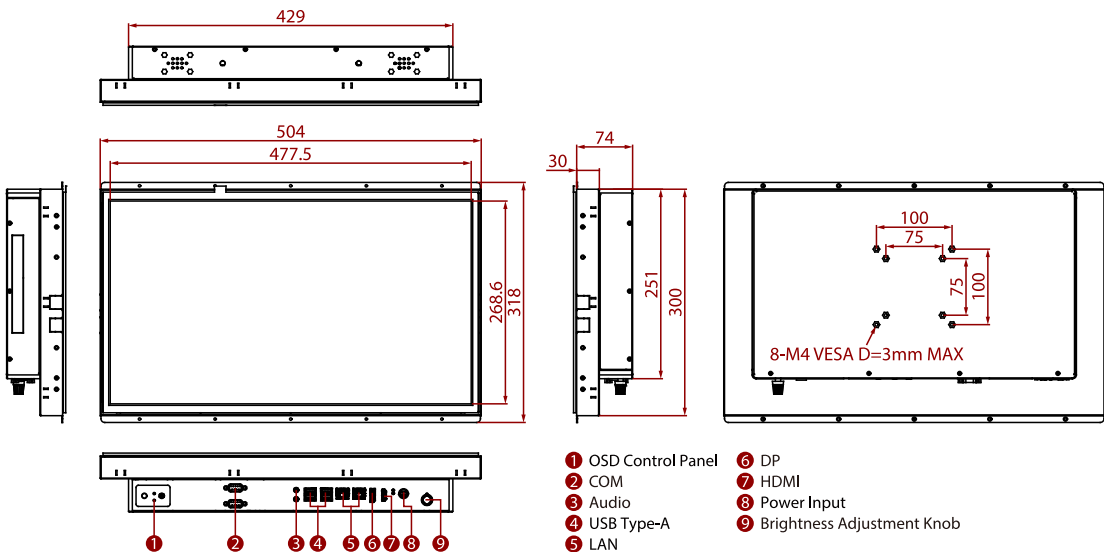
Several mounting solutions such as rear and VESA mounting that users can choose the most suitable mounting options for their application.

### SPECIFICATIONS

| Display              |   |                     |  |
|----------------------|---|---------------------|--|
| Resolution           | 1920x1080   | Size                | 21.5 inches  |
| Contrast Ratio       | 3000:1  | Panel Brightness    | 250.0 nits   |
| View Angles          | 89,89,89,89   | Active Area         | 476.64x268.11 mm   |
| Touch / Glass        | Resistive Touch Screen (Optional)<br>Protection Glass Without Touch Function (Optional)                       |                     |  |
| System Specification |   |                     |  |
| WLAN                 | Support (Optional)  | BT                  | Support (Optional)   |
| Processor            | Intel Core i5-1135G7 2.4GHz (up to 4.2GHz)  | Memory              | 1 x SO-DIMM, DDR4 3200 MHz, 4GB<br>8GB (Optional)<br>16GB (Optional)<br>32GB (Optional)<br>2 x SO-DIMM, DDR4 3200 MHz, 4GB (Optional)<br>8GB (Optional)<br>16GB (Optional)<br>32GB (Optional)<br>64GB (Optional) |
| Storage              | 1 x M.2 M-Key 2280 NVMe SSD 128GB<br>256GB (Optional)<br>512GB (Optional)<br>1TB (Optional)<br>2TB (Optional) | Ethernet controller | 2 x Intel® Ethernet Controller   |

|                            |  |                              |  |
|----------------------------|--|------------------------------|--|
| <b>Security</b>            | 1 x SATA III for 2.5" SSD/HDD up to 2TB (Optional)<br>TPM 2.0  | <b>Operating System</b>      | Windows 11 IoT Enterprise (64 bit) (Optional)<br>Windows 11 Pro 64 bit (Optional)<br>Linux Ubuntu 22.04(Do not support Wake on Touch) (Optional) |
| <b>Mechanical</b>          |  |                              |  |
| <b>Dimension</b>           | 504 x 318 x 74 mm  | <b>Weight</b>                | 5.5 kg   |
| <b>Mounting</b>            | Open Frame<br>Panel Mount<br>VESA Mount                        | <b>Enclosure</b>             | Metal Housing  |
| <b>Cooling System</b>      | Fanless design   |                              |  |
| <b>Environment</b>         |  |                              |  |
| <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>Certification</b>       |  |                              |  |
| <b>Certification</b>       | CE, FCC  |                              |  |
| <b>IO Ports</b>            |  |                              |  |
| <b>Power Input</b>         | 1 x 12V DC, Din4 pin connector                                 | <b>USB Port</b>              | 4 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 DP1.4<br>1 x HDMI 2.0 (Optional)   |
| <b>Audio</b>               | Mic in<br>Line out   | <b>Expansion Port</b>        | 1 x M.2 2280 M-Key Slot (for NVME SSD)<br>1 x M.2 2230 E-Key Slot (for Wi-Fi module)<br>1 x PCIe 4.0 (x16) slot (x4 signal)                      |
| <b>LAN</b>                 | 1 x Giga LAN RJ45 Connector<br>1 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                                 |                              |  |
| <b>Control</b>             |  |                              |  |
| <b>Button</b>              | 1 x Power Button<br>1 x Reset Button                           |                              |  |
| <b>Accessory</b>           |  |                              |  |
| <b>Accessory</b>           | 100~240V AC to DC Adapter<br>Power Cord<br>VESA 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.