

# R15ITWS-MHC3

## 15" Intel® Core™ i5-1135G7 M Series HMI Panel PC



### KEY FEATURES

- Intel® 11th Generation Tiger Lake UP3 Core™ i5 CPU
- Signature true flat display screen with edge-to-edge design
- Aluminum, anti-corrosion treated housing
- Superior sealing with front IP65 protection against dust and water
- Projected Capacitive Multi-Touch Screen (PCAP)
- Fanless Design
- Support wide range 9-29 V DC input with isolation
- One Quick & Easy Removable 2.5" SSD Bay Slot
- Support PCIe x4 Card

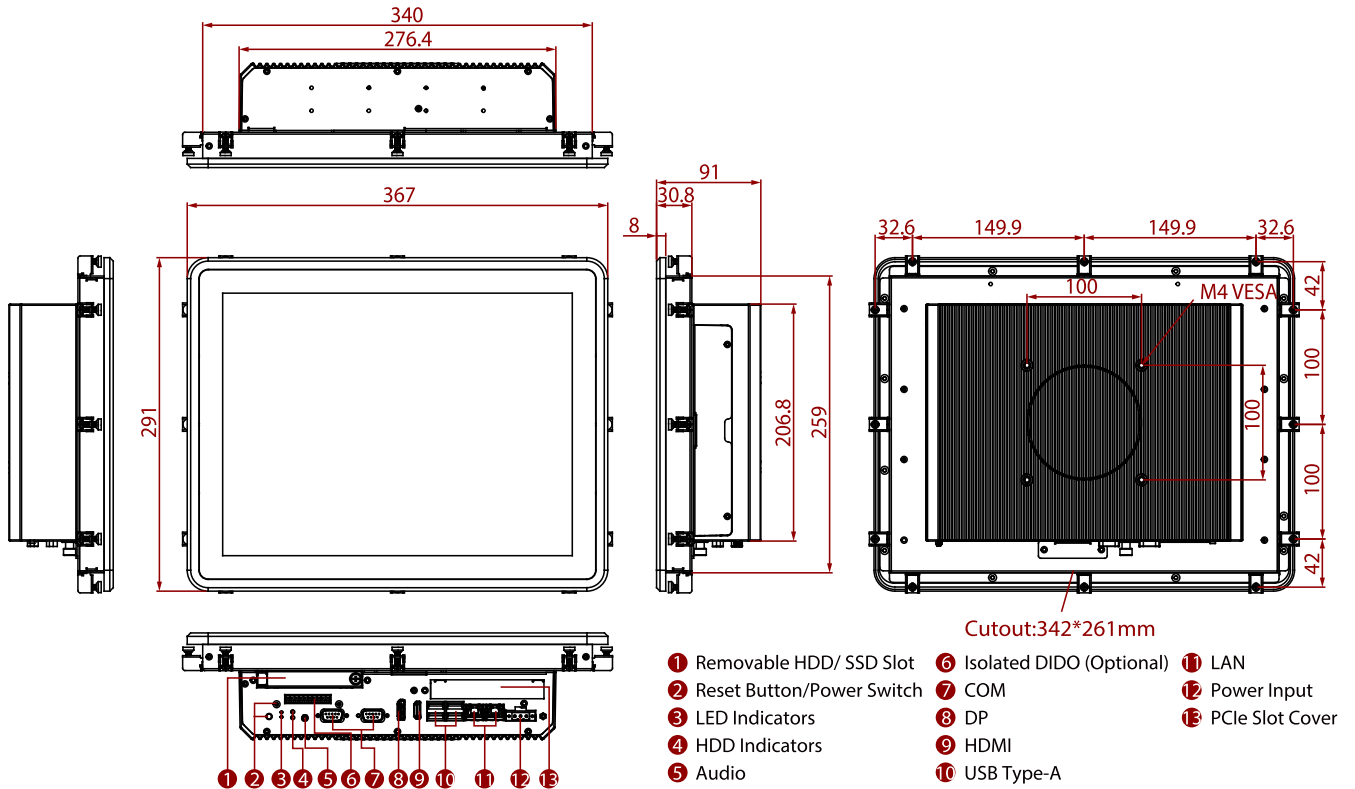


### SPECIFICATIONS

| Display                    |  |                              |  |
|----------------------------|--|------------------------------|--|
| <b>Resolution</b>          | 1024x768   | <b>Size</b>                  | 15 inches  |
| <b>Contrast Ratio</b>      | 2000:1   | <b>Panel Brightness</b>      | 300 nits   |
| <b>View Angles</b>         | 88,88,88,88  | <b>Active Area</b>           | 304.1x228.1 mm   |
| <b>Touch / Glass</b>       | Projected Capacitive Multi Touch Screen  |                              |  |
| System Specification       |  |                              |  |
| <b>WLAN</b>                | Support (Optional)   | <b>BT</b>                    | Support (Optional)   |
| <b>Expansion Port</b>      | Modular Design for easy service in the field   | <b>Processor</b>             | Intel® Tiger Lake Core™ i5-1135G7, 2.4 GHz(turbo up to 4.2GHz)                                 |
| <b>Memory</b>              | 2 x SODIMM, DDR4 3200 MHz, 4GB<br>8GB (Optional)<br>16GB (Optional)<br>32GB (Optional) | <b>Storage</b>               | 1 x M.2 2280 NVMe SSD, 64GB up to 512GB<br>2 x 2.5" Removable 256GB SSD up to 512GB (Optional) |
| <b>Ethernet controller</b> | Intel® Ethernet Controller I211-AT +<br>Intel® Ethernet Connection I219-LM             | <b>Operating System</b>      | Windows 10 IoT Enterprise (Optional)   |
| Mechanical                 |  |                              |  |
| <b>Dimension</b>           | 367 x 291 x 91 mm  | <b>Mounting</b>              | Panel mount<br>VESA Mount  |
| <b>Enclosure</b>           | Metal Housing  | <b>Cooling System</b>        | Fanless design   |
| <b>Cut out</b>             | 342x261mm  |                              |  |
| Environment                |  |                              |  |
| <b>Operating Humidity</b>  | 10% to 90% (non-condensing)  | <b>Operating Temperature</b> | 0~50°C   |
| <b>Storage Temperature</b> | -20~60°C   | <b>IP rating</b>             | Front IP65   |
| Certification              |  |                              |  |
| <b>Certification</b>       | CE, FCC  |                              |  |
| IO Ports                   |  |                              |  |
| <b>Power Input</b>         | 1 x 9~29V DC, 3-Pin Terminal Block   | <b>USB Port</b>              | 4 x USB 3.2 Gen.1 (Type-A)   |
| <b>Serial Port</b>         | 2 x RS232/422/485 (Default RS232)  | <b>Video</b>                 | 1 x DP1.4<br>1 x HDMI 2.0 (Optional)   |
| <b>Audio</b>               | 1 x Audio Combo Connector (Mic in / Line Out)  | <b>Expansion Port</b>        | 1 x mPCIe slot   |

|                     |   |                  |   |
|---------------------|---|------------------|---|
|                     |   |                  | 1 x PCIe x16 slot (x4 signal)(module max size:180x121mm)<br>1 x M.2 2230 Key E slot for WiFi<br>1 x M.2 2280 Key M slot for NVMe SSD<br>Swappable 2.5" HDD/SSD Bay Slot |
| <b>LAN</b>          | 2 x Giga LAN RJ45 Connector   | <b>Indicator</b> | 1 x LED Indicator for storage   |
| <b>DIDO</b>         | Digital 4 in/ 4 out (Optional)  |                  |   |
| <b>Control</b>      |   |                  |   |
| <b>Button</b>       | 1 x Power Button with LED Indicator<br>1 x Reset Button   |                  |   |
| <b>Accessory</b>    |   |                  |   |
| <b>Accessory</b>    | 100~240V AC to DC Adapter<br>Power Cord<br>Open Wire Cable with terminal block connector<br>Driver CD & Manual<br>Mounting clips<br>VESA screws |                  |   |
| <b>Power</b>        |   |                  |   |
| <b>Power Rating</b> | 9V~29V DC with protection fuse  | <b>Adapter</b>   | 12V 120W  |

## DIMENSIONS UNIT:MM



## NOTE

1. This is a simplified drawing and some components are not marked in detail.
2. 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.
3. All specifications are subject to change without prior notice.