

W24ITWS-MHA2

23.8" 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

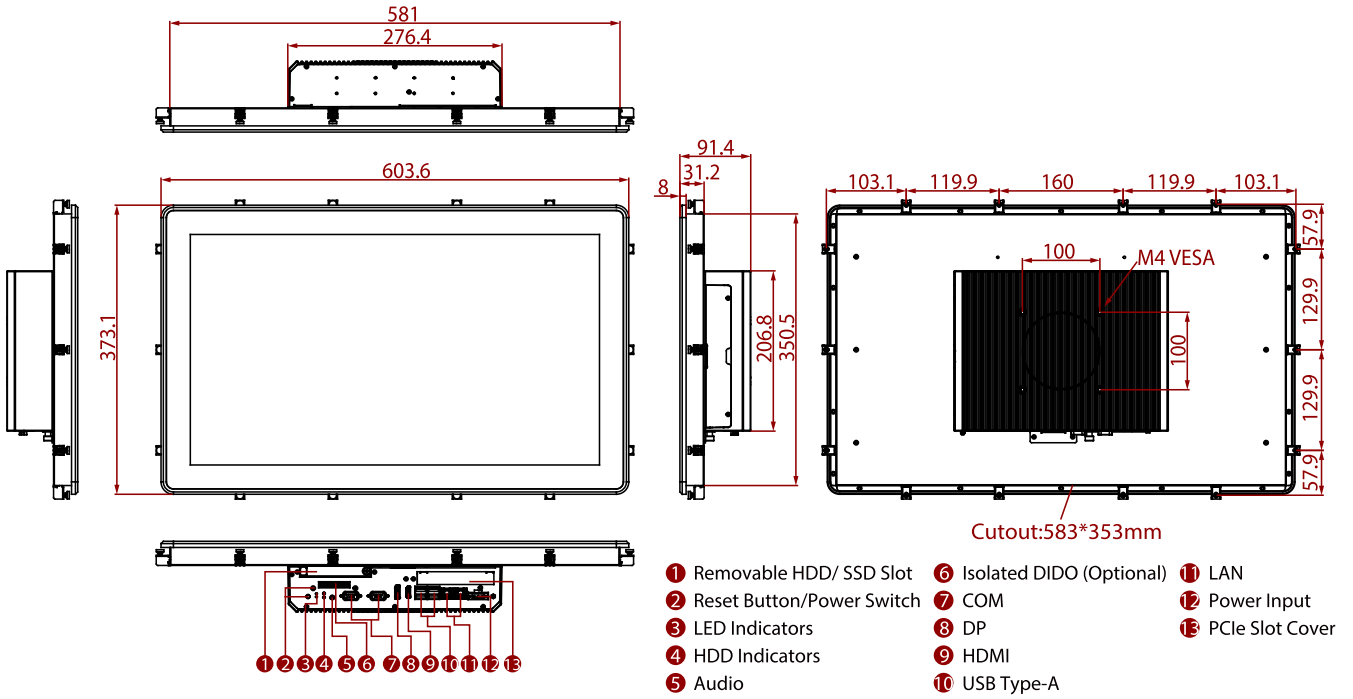


SPECIFICATIONS

| Display | | | |
|----------------------------|--|------------------------------|--|
| Resolution | 1920x1080 | Size | 23.8 inches |
| Contrast Ratio | 3000:1 | Panel Brightness | 250 nits |
| View Angles | 89,89,89,89 | Active Area | 527.04x296.46 mm |
| Touch / Glass | Projected Capacitive Multi Touch Screen | | |
| System Specification | | | |
| WLAN | Support (Optional) | BT | Support (Optional) |
| Expansion Port | Modular Design for easy service in the field | Processor | Intel® Tiger Lake Core™ i5-1135G7, 2.4 GHz(turbo up to 4.2GHz) |
| Memory | 2 x SODIMM, DDR4 3200 MHz, 4GB 8GB (Optional) 16GB (Optional) 32GB (Optional) | Storage | 1 x M.2 2280 NVMe SSD, 64GB up to 512GB 2 x 2.5" Removable 256GB SSD up to 512GB (Optional) |
| Ethernet controller | Intel® Ethernet Controller I211-AT + Intel® Ethernet Connection I219-LM | Operating System | Windows 10 IoT Enterprise (Optional) |
| Mechanical | | | |
| Dimension | 603.6 x 373 x 91.4 mm | Mounting | Panel mount VESA Mount |
| Enclosure | Metal Housing | Cooling System | Fanless design |
| Cut out | 583x353mm | | |
| Environment | | | |
| Operating Humidity | 10% to 90% (non-condensing) | Operating Temperature | 0~50°C |
| Storage Temperature | -20~60°C | IP rating | Front IP65 |
| Certification | | | |
| Certification | CE, FCC | | |
| IO Ports | | | |
| Power Input | 1 x 9~29V DC, 3-Pin Terminal Block | USB Port | 4 x USB 3.2 Gen.1 (Type-A) |
| Serial Port | 2 x RS232/422/485 (Default RS232) | Video | 1 x DP1.4 1 x HDMI 2.0 (Optional) |
| Audio | 1 x Audio Combo Connector (Mic in / Line Out) | Expansion Port | 1 x mPCIe slot |

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