W24ITWS-MHA2-EX

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
- Quick & Easy Removable 2.5" SSD Bay Slot
- Support PCIe x4 Card
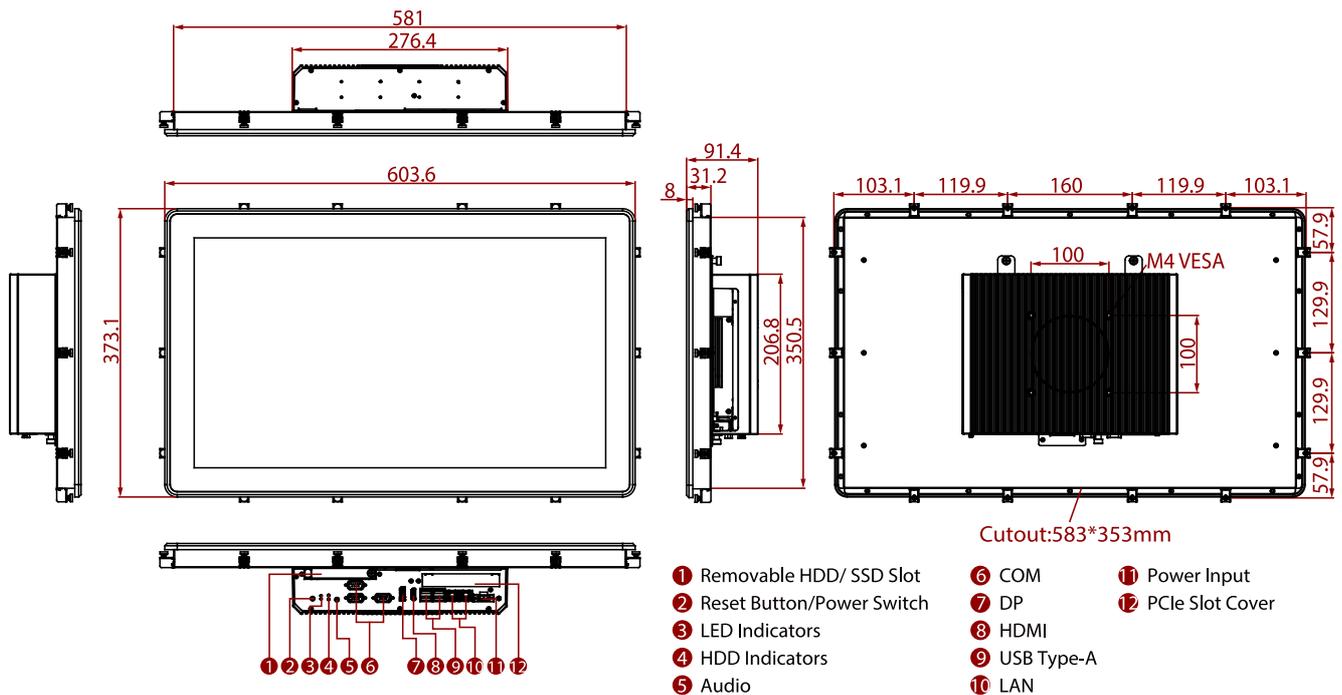- Class 1 Division 2, Group A-D, T4 Certification

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**	-20~60°C
Storage Temperature	-40~80°C	**Shock**	MIL-STD-810G Method 516.6 (Optional)
Vibration	MIL-STD-810G Method 514.6	**Altitude**	nan

Certification

Certification	CE, FCC Hazardous Location Safety: Class 1, Division 2, Group A, B, C, D

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) 1 x 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) 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

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

❶ Removable HDD/ SSD Slot	❻ COM	⓫ Power Input
❷ Reset Button/Power Switch	❼ DP	⓬ PCIe Slot Cover
❸ LED Indicators	❽ HDMI	
❹ HDD Indicators	❾ USB Type-A	
❺ Audio	❿ LAN	

Cutout:583*353mm

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.