

R19ITWS-MHA1

19" 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

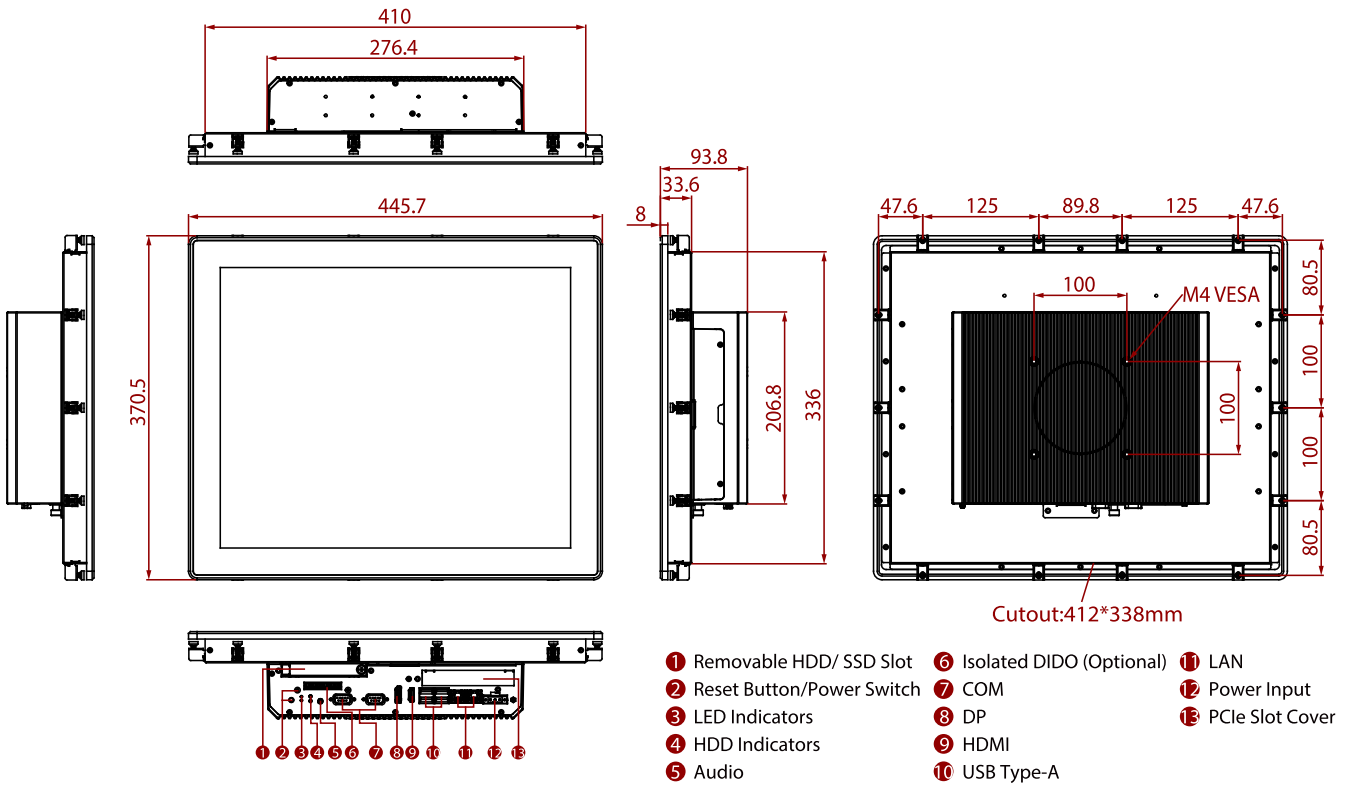


SPECIFICATIONS

Display					
Resolution	1280x1024	Size	19 inches		
Contrast Ratio	1000:1	Panel Brightness	400 nits		
View Angles	85,85,80,80	Active Area	376.32x301.06 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	445.7 x 370.5 x 93.8 mm		Mounting	Panel mount VESA Mount	
Enclosure	Metal Housing		Cooling System	Fanless design	
Cut out	412x338mm				
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.