# R17ITWS-MHM1

## 17" 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



#### **SPECIFICATIONS**

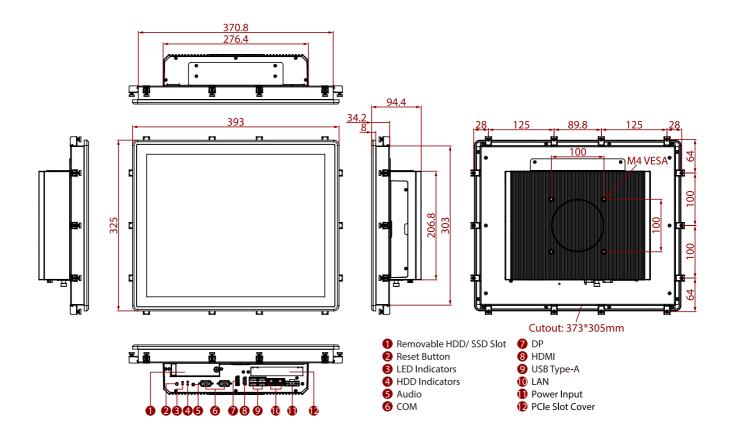
Resolution         1280x1024         Size         17.0 inches           Contrast Ratio         1000:1         Panel Brightnes         350.0 nits           Yolew Angles         85.85.80.80         37.920x270.336 mm           Touch / Glas         Projected Capacitive Multi Touch Screen         Very Expension           System Specificacy           WIAN         Support (Optional)           Expansion Port         Modular Design for easy service in the field         Processor         Intel Core IS-1135C7 24 GHz (up to 4.2GHz)           Memory         2 x SO-DIMM, DDR4 3200 MHz, 4GB 80 (Optional) 32GB (Option	Display			
View Angles         85,85,80,80         Active Area         337,920x270.336 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® Core is-1135G7 2.4GHz (up to 4.2GHz)           Memory         2 x SO-DIMM, DDR4 3200 MHz, 4GB 8GB (Optional) 18GB	Resolution	1280x1024	Size	17.0 inches
System Specification	Contrast Ratio	1000:1	Panel Brightness	350.0 nits
System Specificatior           WLAN         Support (Optional)         BT         Support (Optional)           Expansion Port         Modular Design for easy service in the field         Processor         Intel Core i5-1135G7 2.4GHz (up to 4.2GHz)           Memory         2 x SO-DIMM, DDR4 3200 MHz, 4GB 8GB (Optional) 16GB (Optional) 18GB (Optional) 18GB (Optional) 32GB (Optiona	View Angles	85,85,80,80	Active Area	337.920x270.336 mm
WLAN         Support (Optional)         BT         Support (Optional)           Expansion Port         Modular Design for easy service in the field         Processor         Intel Core 15-1135G7 2.4GHz (up to 4.2GHz)           Memory         2 x SO-DIMM, DDR4 3200 MHz, 4GB 8GB (Optional) 16GB (Optional) 32GB (Optional) 32G	Touch / Glass	Projected Capacitive Multi Touch Screen		
Expansion Port         Modular Design for easy service in the field         Processor         Intel Core i5-1135G7 2.4GHz (up to 4.2GHz)           Memory         2 x SO-DIMM, DDR4 3200 MHz, 4GB 8GB (Optional) 32GB (Op	System Specificat	ion		
Memory       2 x SO-DIMM, DDR4 3200 MHz, 4GB 8GB (Optional) 3CGB (Optional) 32GB (Optional) 7 Trusted Platform Module (TPM) 2.0         Mechanical         Mechanical         Dimension       393 x 325 x 94.4 mm       Mounting       Panel mount VESA Mount         Enclosure       Metal Housing       Cooling System       Fanless design         Environment         Operating Humidity       10% to 90% RH, Non-Condensing       Operating Temperature       o°C to 50°C         Storage Temperature       -10°C to 60°C       Prating       Front IP65         Certification       CE, FCC         Certification       USB Port       4 x USB 3.2 Gen.1 (Type-A)         Power Input       1 x 9-29V DC, 3-Pin Terminal Block       USB Port       4 x USB 3.2 Gen.1 (Type-A)         Security       USB Port       4 x USB 3.2 Gen.1 (Type-A)	WLAN	Support (Optional)	ВТ	Support (Optional)
8CBB (Optional) 16GB (Optional) 16G	<b>Expansion Port</b>	Modular Design for easy service in the field	Processor	Intel Core i5-1135G7 2.4GHz (up to 4.2GHz)
Intel® Ethernet Connection I219-LM           Operating System         Windows 10 IoT Enterprise (64 bit) (Optional)           Mechanical           Dimension         393 x 325 x 94.4 mm         Mounting         Panel mount VESA Mount           Enclosure         Metal Housing         Cooling System         Fanless design           Cut out         373 x 305mm           Environment           Operating Humidity         10% to 90% RH, Non-Condensing         Operating Temperature         Front IP65           Storage Temperature         Front IP65           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)	Memory	8GB (Optional) 16GB (Optional)	Storage	2 x 2.5" Removable 256GB SSD up to 512GB
Mechanical         Dimension         393 x 325 x 94.4 mm         Mounting         Panel mount VESA Mount VESA Mount           Enclosure         Metal Housing         Cooling System         Fanless design           Cut out         373 x 305mm         Fanless design           Environment           Operating Humidity         10% to 90% RH, Non-Condensing         Operating Temperature         0°C to 50°C           Storage Temperature         -10°C to 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)	Ethernet controller		Security	Trusted Platform Module (TPM) 2.0
Dimension 393 x 325 x 94.4 mm Mounting Panel mount VESA Mount  Enclosure Metal Housing Cooling System Fanless design  Cut out 373 x 305mm  Environment  Operating Humidity 10% to 90% RH, Non-Condensing Operating Temperature 10°C to 50°C  Storage Temperature Profit Ports  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 1 x DP1.4 1 x HDMI 2.0 (Optional)	Operating System	Windows 10 IoT Enterprise (64 bit) (Optional)		
Enclosure Metal Housing Cooling System Fanless design  Cut out 373 x 305mm  Environment  Operating Humidity 10% to 90% RH, Non-Condensing Premperature 10°C to 50°C Temperature 10°C to 60°C Premperature 10°C to 60°C Premperatur	Mechanical			
Cut out         373 x 305mm           Environment         Operating Temperature           Storage Temperature         -10°C to 60°C         IP rating         Front IP65           Certification         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)	Dimension	393 x 325 x 94.4 mm	Mounting	
Environment       Operating Humidity     10% to 90% RH, Non-Condensing     Operating Temperature     0°C to 50°C       Storage Temperature     -10°C to 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)	Enclosure	Metal Housing	Cooling System	Fanless design
Operating Humidity 10% to 90% RH, Non-Condensing Operating Temperature  Storage Temperature -10°C to 60°C  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)	Cut out	373 x 305mm		
Storage Temperature  Storage Temperature  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)	Environment			
Temperature           Certification         CE, FCC           IO Ports         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)	Operating Humidity	10% to 90% RH, Non-Condensing		0°C to 50°C
Certification         CE, FCC           IO Ports         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)		-10°C to 60°C	IP rating	Front IP65
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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)	Certification	CE, FCC		
Serial Port         2 x RS232/422/485 (Default RS232)         Video         1 x DP1.4 1 x HDMI 2.0 (Optional)	IO Ports			
1 x HDMI 2.0 (Optional)	Power Input	1 x 9~29V DC, 3-Pin Terminal Block	USB Port	4 x USB 3.2 Gen.1 (Type-A)
Audio 1 x Audio Combo Connector (Mic in / Line Out) Expansion Port 1 x mPCle slot	Serial Port	2 x RS232/422/485 (Default RS232)	Video	
	Audio	1 x Audio Combo Connector (Mic in / Line Out)	Expansion Port	1 x mPCle slot

Power			
Accessory	100~240V AC to DC Adapter Power Cord Open Wire Cable with terminal block connector Mounting clips VESA screws		
Accessory			
Button	1 x Power Button with LED Indicator 1 x Reset Button		
Control			
LAN	2 x Giga LAN RJ45 Connector	Indicator	1 x PCle 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

### **DIMENSIONS** UNIT:MM

55W~65W

Consumption



#### **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.