

# Winmate M-Series HMI Panel PC

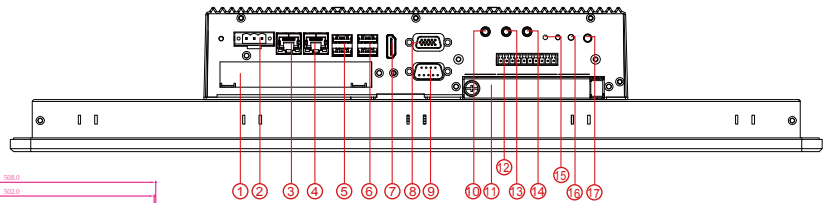
21.5" M-Series HMI with Intel® Core™ i5-7200U

W22IKWS-MHA3

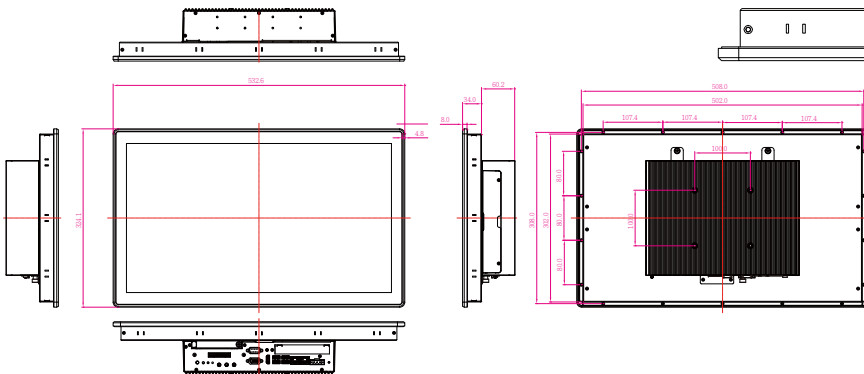


## Features:

- 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 P-CAP Multi-Touch Screen
- Fanless Design
- Support wide range 9-29V isolation DC input
- One Quick & Easy Removable 2.5" SSD Bay Slot
- Support PCIe x4 Card



- |  |                                  |
|--|----------------------------------|
| 1. PCIe Slot cover for PCIe x 4<br>(1 x Half-Length PCIe card) | 9. RS232/422/485                 |
| 2. 9-29V isolation DC-in                                       | 10. Mic in                       |
| 3. Giga LAN  | 11. 2.5" SSD Slot x 1            |
| 4. Giga LAN  | 12. 8 x Isolated DIDO (Optional) |
| 5. USB 3.0 x 2   | 13. Line in                      |
| 6. USB 3.0 x 2   | 14. Line out                     |
| 7. HDMI  | 15. LED                          |
| 8. VGA   | 16. Reset                        |
|  | 17. Power Button                 |



Measurements shown in mm  
All Dimensions are ± 0.5 mm

\* Note: this is a simplified drawing and some components are not marked in detail.  
Please contact our sales representative if you need further product information.

## System Specification

Processor	: Intel® Core i5-7200U Kaby Lake 2.5GHz (turbo to 3.1GHz)
BIOS	: Insyde BIOS
System Memory	: DDR4-2133 SO-DIMM (Max 16GB)
System Chipset	: Intel® SoC Integrated
Graphic Chipset	: Intel® HD Graphics 620
Ethernet Compatible	: 1000 Base-Tx Gigabit Ethernet Compatible
Audio	: Realtek ALC283 HD Audio Codec
Expansion Slot	: PCIe x 4
Main Storage	: 2.5" 64GB SSD (Options up to 512GB)
Second Storage(Optional)	: mSATA 64GB (Options up to 512GB)
Touch screen	: Projected Capacitive
Operating system	: Windows 10 IoT Enterprise

## Display Specification

Display Size	: 21.5"
Active Display Area	: 476.64 (H) x 268.11 (V)
Pixel Pitch	: 0.248(H) x 0.248(V)
Display Color	: 16.7M
Resolution	: 1920 x 1080
Brightness	: 250 nits
Contrast Ratio	: 3000:1 (Typ.)
Viewing Angle	: 89/89/89/89

## Mechanical Specification

Mouting	: Wall Mount / VESA Mount
Dimension	: 532.6 (L) x 324.1(W) x 102.2 (H)

## Power Supply

Power Input	: 9-29V isolation DC in with protection Fuse
Power Adapter	: 110-240AC to 12V DC out 80W power Adapter

## Environmental Specification

Operation Temperature	: 0~ 50°C
Operating Humidity	: 30%-95% at 40°C (non-condensing, RH)
Water Proof	: Front: IP65; Rear: IP20 / Fanless

## I/O Connectors

I/O Connectors	: 9-29V isolation DC in x 1 (Terminal Block 3pin)
	Gigabit LAN x 2
	USB3.0 x 4
	HDMI Output x 1
	D-Sub15 (VGA) Output x 1
	RS232/422/485 selectable serial port x 1
	Audio in Jack x 1
	Audio out Jack x 1
	Reset key x 1
	Power Button x 1
	2.5" SSD indicators x 1
	Isolated DIDO x 8, 4 In / 4 Out (Optional)

## Accessories

- Mounting clips & screws
- 12V 80W power adapter
- Power cord
- Driver CD