

# Winmate M-Series HMI Panel PC

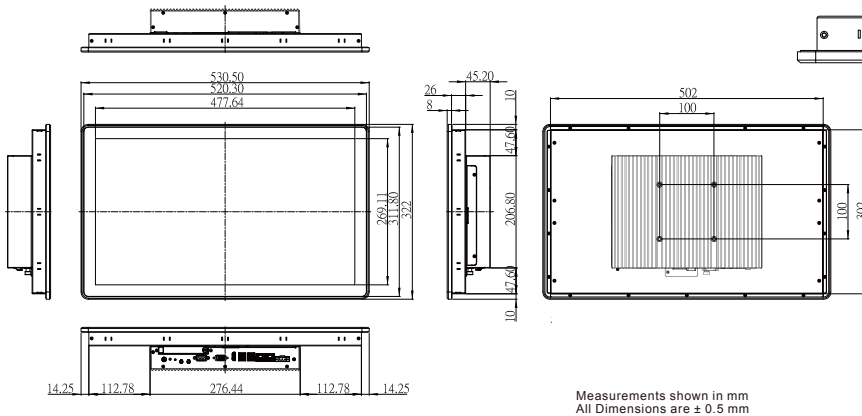
21.5" M-Series HMI with Intel® Atom™ E3845

W22IBWS-MHA3

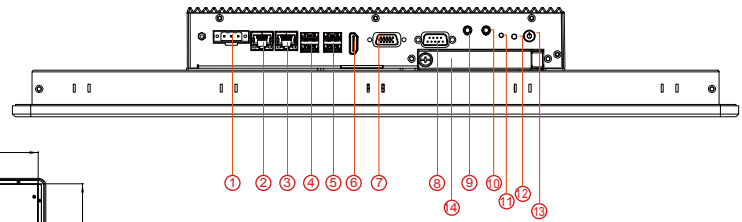


## Features:

- Projected Capacitive Multi Touch Screen
- Fanless Design
- Optional Optical Bonding for sunlight and outdoor viewability
- Modular Design for easy service in the field
- Support wide range 9-36V isolation DC input
- Quick & Easy Removable 1 Bay 2.5" SSD Slot



Measurements shown in mm  
All Dimensions are ± 0.5 mm



1. 9-36V isolation DC-in
2. LAN
3. LAN
4. USB 2.0 x 2
5. USB 2.0 x 2
6. HDMI output
7. VGA output
8. COM1
9. Audio in
10. Audio out
11. HDD indicator
12. Reset
13. Power Button
14. 2.5" SSD Bay

\* 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® Atom™ E3845 Processor; 2M Cache up to 1.91 GHz
BIOS	: AMI UEFI BIOS
System Memory	: SODIMM DDR3L-1600 4GB, option up to 8GB (2 slots)
Graphic Chipset	: Intel® HD graphics 4400
Ethernet	: 1000 Base-Tx Gigabit Ethernet Compatible
Audio	: Realtek ALC886 codec
USB	: 4 x USB 2.0
Serial Port	: 1 x RS232/ 422 / 485 selectable by jumper
Main Storage	: Built-in 64G mSATA SSD
Second Storage (Optional)	: Removable 2.5" 128G SSD x1
Touch Screen	: Projected Capacitive
Operating system (optional)	: Windows Embedded Standard 7 Windows Embedded 8 Standard 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	: 530.5 (L) x 322(W) x 79.2 (H)

## Power Supply

Power Input	: 9-36V 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	: 9-36V isolation DC in x1 (Terminal Block 3pin)
	Gigabit LAN x 2
	USB2.0 x4
	HDMI Output x1
	D-Sub15 (VGA) Output x1
	RS232/422/485 selectable serial port x1
	Audio in Jack x1
	Audio out Jack x1
	Reset key x1
	Power Button x1

## Accessories

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