

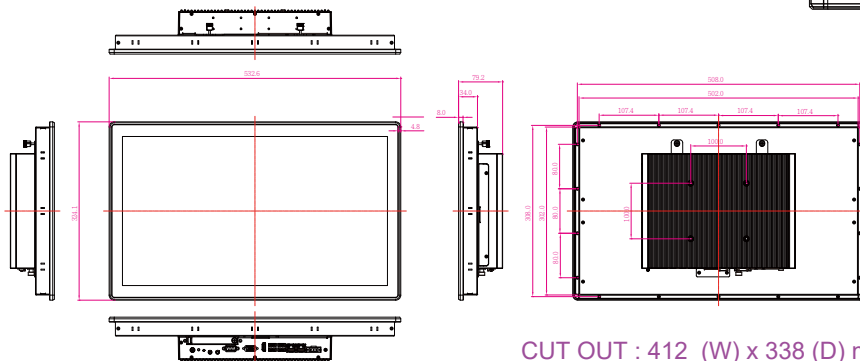
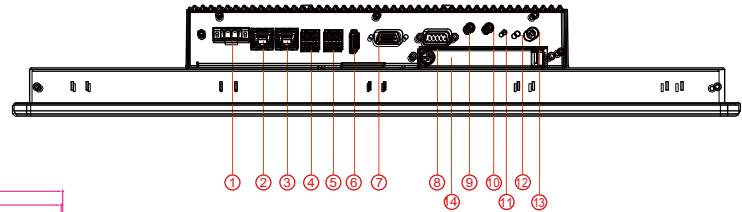
# Winmate M-Series HMI Panel PC

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

W22IBWS-MHA3

## Features:

- Projected Capacitive Multi Touch Screen
- Fanless Design
- Modular Design for easy service in the field
- Support wide range 12-24V DC input
- One Quick & Easy Removable 2.5" SSD Bay Slot



CUT OUT : 412 (W) x 338 (D) mm

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® 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	: Default 2.5" 64GB SSD, optional up to 128GB
Second Storage (Optional)	: Internal mSATA 64 ~ 256GB SSD
Touch Screen	: Projected Capacitive : Optional anti-glare coating
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

Mounting	: Wall Mount / VESA Mount
Dimension	: 532.6 (L) x 324.1(W) x 79.2 (H)

### Power Supply

Power Input	: 12-24V 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	: 12-24V DC in x 1 (Terminal Block 3pin)
	Gigabit LAN x 2
	USB2.0 x 4
	HDMI Output x 1 (Optional)
	D-Sub15 (VGA) Output x 1
	RS232/422/485 selectable serial port x1
	Audio in Jack x 1
	Audio out Jack x 1
	Reset key x 1
	Power Button x 1

### Accessories

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