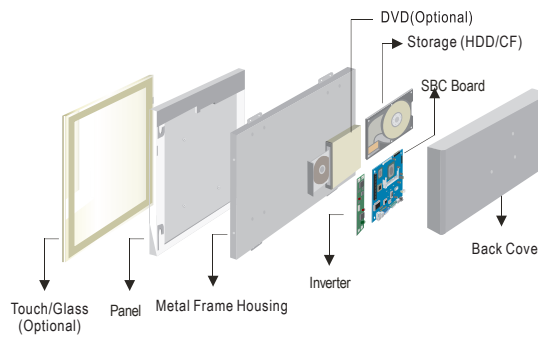


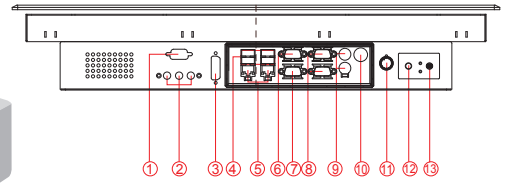
# W22IH7T-IPA3 21.5" Panel PC (Intel® 4th Generation Core™ i5 Platform)



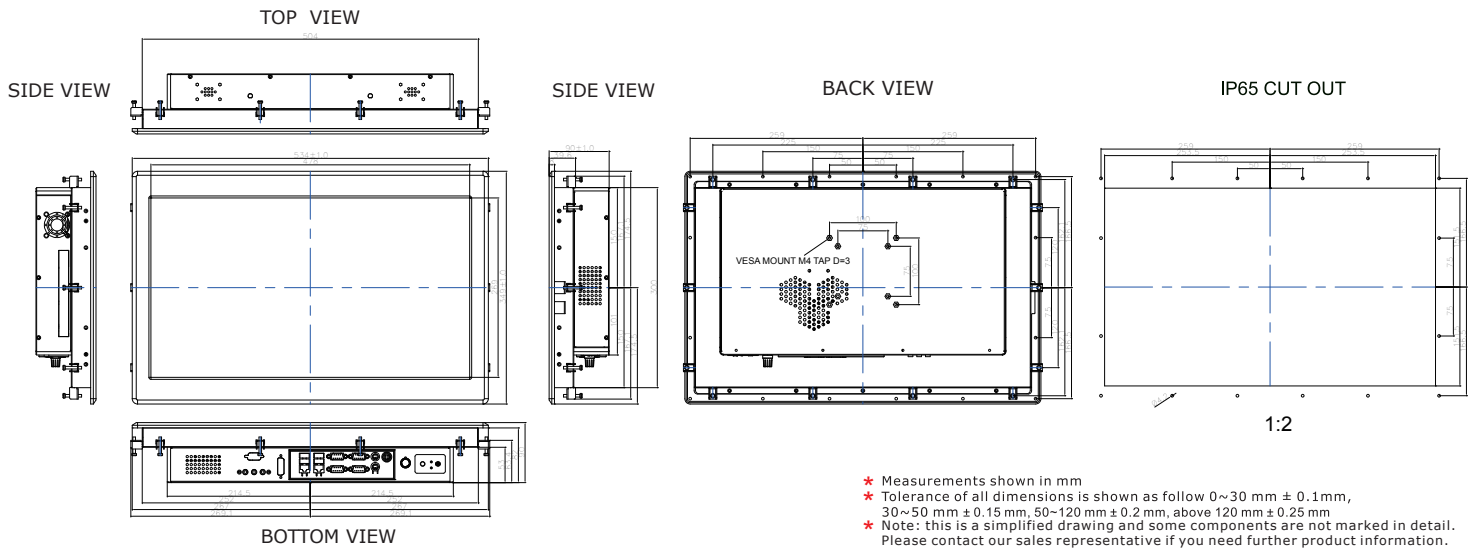
IP65 (8 mm front bezel)



Mechanical design  
Dimensions



- Fully Integrated I/O
1. RS-232 (Optional)
  2. Audio Jack
  3. DVI (Optional)
  4. USB
  5. LAN
  6. VGA
  7. RS-232/422/485
  8. RS-232
  9. PS/2
  10. 12V DC-in Power Jack
  11. Brightness Adjustment Knob
  12. Power On Button
  13. Power Reset Button



\* Measurements shown in mm  
 \* Tolerance of all dimensions is shown as follow 0~30 mm ± 0.1mm, 30~50 mm ± 0.15 mm, 50~120 mm ± 0.2 mm, above 120 mm ± 0.25 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.

## Specifications

### System :

- CPU : Intel 4th® Generation Core™ i5-4200M  
: 3.1Ghz Processor
- Memory Slot : 2 x SO-DIMM, Max 16GB DDR3L 1333/1600
- System Chipset : Intel® QM87 Chipset
- IDE/SATA : 2XSATA III
- LAN : Intel® Ethernet Controller I211-AT +  
: Intel® Gigabit Ethernet PHY I218-LM
- Audio Codec : Realtek ALC888 HD Audio Codec

### Input / Output :

- Serial Ports : 2 x RS232, 1 x RS232/422/485
  - USB Ports : 4 x USB 3.0
  - Keyboard / Mouse : 2 x PS/2
  - Ethernet : 2 x RJ 45-10/100/1000 Mbps
  - VGA : 1 x VGA (female)
  - Audio : Line-Out, Line-In, Mic in
- Default setting:RS232

### Expansion Slot :

- 2 x Mini PCIe (1 for WiFi, 1 for 3G Module), 1 x PCI
- \* A customized housing is needed if you would like to have the PCI expansion.

### Power Specifications :

- Power Input : 12V DC IN (Lockable Power Jack)
- Power Consumption : 60W (typ.)(Max.backlight & high CPU load)

### Accessories :

- External Adapter : 110~240V Ac-in Power Adapter

### Panel Spec :

- Size/Type : 21.5"TFT
- Resolutions : 1920 x 1080
- Brightness(cd/m<sup>2</sup>) : 250 (typ.)
- Contrast Ratio : 1000 : 1(typ.)
- Viewing Angle : -89~89 (H) ; -89~89 (V)
- Max. Colors : 16.7M

### Environment Considerations :

- Operating Temperature : 0°C to 50°C
- Operating Humidity : 30% to 90% (non condensing)

### OS BSP / Driver Support :

- Support Windows 7 / Windows 8 Embedded / Windows 10 IoT Enterprise

### Order Options :

- |                                     |                                   |
|-------------------------------------|-----------------------------------|
| Mechanical : IP65(8 mm bezel)       | Storage : 3.5" HDD/ 2.5"SSD       |
| Touch : 5 Wires Resistive(Optional) | RAM : DDR3L 1333/1600 MAX<br>16GB |
- (A customized housing is needed if you have demands of SAW/IR/SC touch)

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