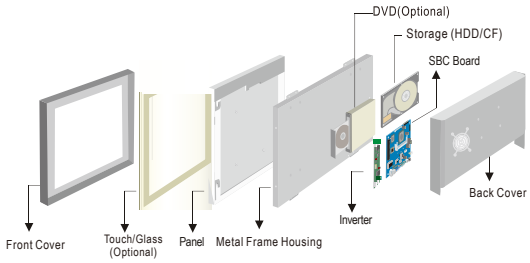
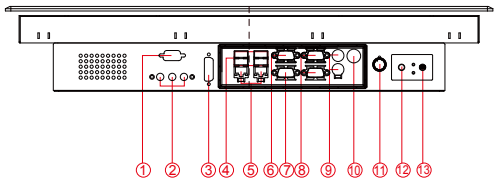
W22IV7T-PMA3 21.5" Panel PC (Intel® 3rd Generation Core™ i7/i5/i3)

Mechanical Design

Panel Mount (6mm front bezel)



Mechanical design

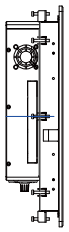


1. RS-232 (Optional)
2. Audio Jack
3. DVI (Optional)
4. USB
5. LAN
6. VGA
7. RS-232/422/485
8. RS-232
9. PS/2
10. 12V DC-in Power Jack
11. Brightness Adjustment Knob
12. Power On Button
13. Power Reset Button

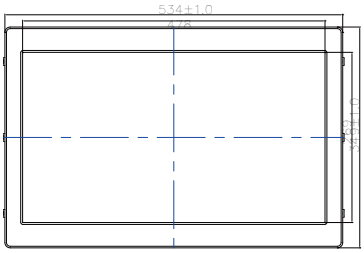
Fully Integrated I/O

Dimensions

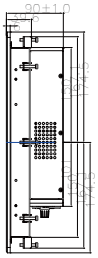
SIDE VIEW



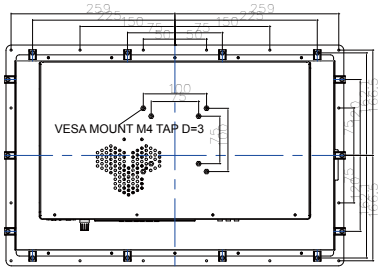
TOP VIEW



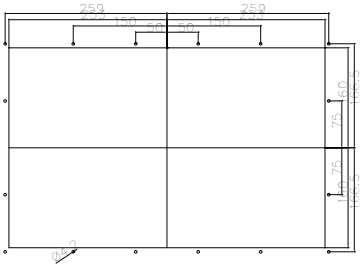
SIDE VIEW



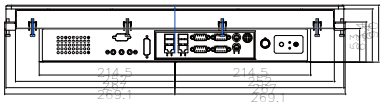
BACK VIEW



IP65 CUT OUT



1:2



BOTTOM VIEW

* 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® 3rd Generation CoreTM i7/i5/i3
- Memory : 2 x SO-DIMM, Max 16GB DDR3 1333/1600
- System Chipset : Intel® HM76 Chipset
- Storage : 1 x SATAIII, 1 x SATAII, 1 x mSATA
- LAN : Dual Broadcom BCM57780 GbE
- Audio Codec : Realtek ALC888 HD Audio Codec

Panel Spec

- Size/Type : 21.5"TFT
- Resolutions : 1920 x 1080
- Brightness : 250 cd/m^2 (typ.)
- Contrast Ratio : 1000 : 1(typ.)
- Viewing Angles : -89~89 (H) ; -89~89 (V)
- Max Colors : 16.7M(8bits/colors)

Input / Output

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

Environment Considerations

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

OS BSP / Driver Support

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

Expansion Slot

- 1 x PCI-E(x16), 2 x Mini PCI-E

Order Options

Mechanical	: Open Frame Panel Mount(6mm bezel)	CPU	: Check with Sales
Touch	: 5 Wires Resistive(Optional)	RAM	: SO-DIMM DDR3
		Storage	: 2.5"HDD/mSATA SSD
		DVD	: Optional

(A customized housing is needed if you have demands of SAW/IR/IT/SC touch)

Power Specifications

- Power Input : 12V DC IN (Lockable Power Jack)
- Power Consumption : 63W(typ.)(Max.backlight & high CPU load)

Accessories

- External Adapter : 110~240V Ac-in power adapter

Note: All Specifications are subject to change without prior notice!

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