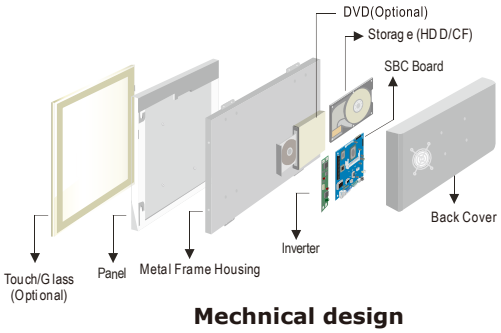
W24IK7T-OFA2 *23.8" Panel PC* (Intel 7th Generation Core i3/i5/i7 Processor)

Mechanical Design

Open Frame

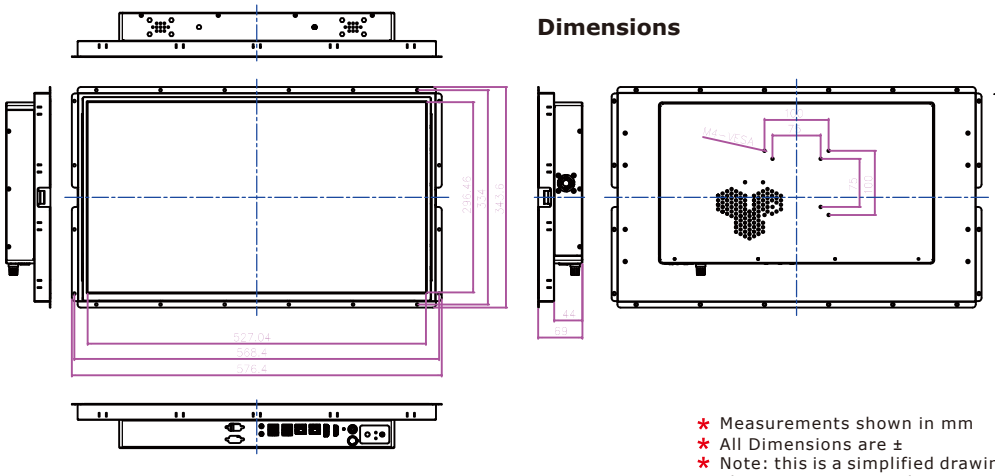


Mechnical design

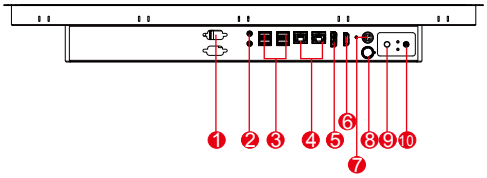
Features:

- 23.8" 1920 x 1080 Resolution
- Intel 7th Generation Core i3/i5/i7 processor (Kabylake)
- Flexible storage devices, one 2.5-inch HDD and one SSD
- Multiple I/Os, Two Serial Ports and Four USB 3.0 Ports
- 12V DC Power input
- DP Support 4096 x 2304@60Hz
- HDMI Support 4096 x 2304@24Hz

Dimensions



Fully Integrated I/O



1. 2 x RS-232/422/485 Conn.
2. Mic In / Line Out
3. 4 x USB 3.0
4. 2 x LAN
5. DP 1.2
6. HDMI 1.4
7. 12V DC IN
8. Brightness Adjustment Knob
9. Power On Button
10. Power Reset Button

* Measurements shown in mm
* All Dimensions are ±
* 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

- Processor : Intel® Core™ i7-7700T Processor, 2.9 GHz
  Intel® Core™ i5-7500T Processor, 2.7 GHz
  Intel® Core™ i3-7100T Processor, 3.4 GHz
- System Chipset : Intel® 8 series Chipset(C236)
- System Memory : 2 x SODIMM, Max 32GB DDR4 2400 MHz, default 4GB
- Storage : 1 x M.2 SSD, Max 256GB
  1 x 2.5" 500GB HDD (default)
- LAN : Intel® Ethernet Controller I211-AT + Intel® Gigabit Ethernet PHY I219-LM
- Audio Codec : Realtek ALC283 HD Audio Codec

Input / Output

- Serial Port : 2 x RS232/422/485(default RS232)
- Ethernet : 2 x RJ45-10/100/1000 Mbps
- USB Port : 4 x USB 3.0
- DP Port : 1 x DP 1.2
- HDMI Port : 1 x HDMI 1.4
- Audio : Mic in, Line out

Power Specifications

- Power Input : 12V DC IN (Lockable Power Jack)
- Power Consumption : 103W (typ.)(Max.backlight & high CPU load)

Accessories

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

Panel Spec

- Size/Type :23.8" TFT
- Resolution :1920x1080
- Brightness :250 cd/m^2(typ.)
- Contrast Ratio :3000:1 (typ.)
- Viewing Angles :-89~89 (H) ; -89~89 (V)
- Max Colors :16.7M (8bits/colors)

Environment Considerations

- Operating Temperature : 0°C to 50°C
- Operating Humidity : 10% to 90% (non condensing)

Security Support

- Trusted Platform Module (TPM 2.0)

Order Options

Mechanical	:Open Frame	Storage	:2.5" HDD/ M.2 SSD
Touch	:5-Wires Resistive(Default) AR Glass(Optional)	RAM	:SODIMM DDR4
		OS	:Windows 10 IoT Enterprise
Panel	: 1000cd/m^2(Optional)	Power	: 9~36V DC in(Optional)

Expansion Slot

- 2 x M.2 (1 for WiFi, 1 for SSD), 1 x PCIex16

*Customized housing required if you need to have the PCIe expansion