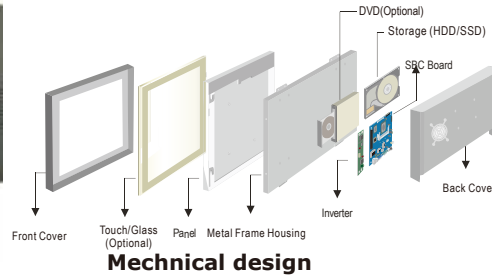


W22IK7T-CHA3 21.5" Panel PC (Intel 7th Generation Core i3/i5/i7 Processor)

Mechanical Design



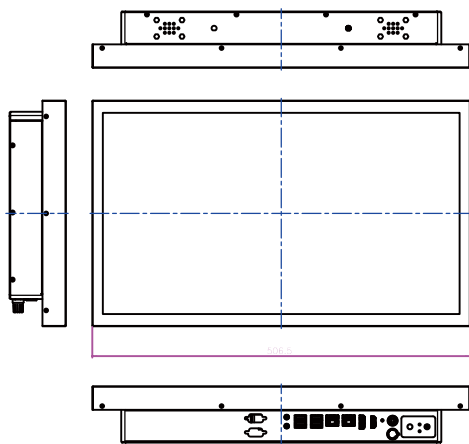
Chassis



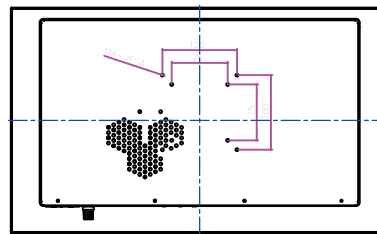
Mechanical design

Features:

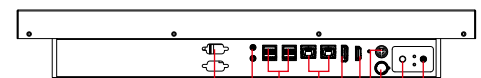
- 21.5" 1920 x 1080 Resolution
- Intel 7th Generation Core i3/i5/i7 processor (Kabylake)
- Flexible storage devices, one 2.5-inch HDD and one SSD
- Multiple I/Os, Two Serial Ports and Four USB 3.0 Ports
- 12V DC Power input
- DP Support 4096 x 2304@60Hz
- HDMI Support 4096 x 2304@24Hz



Dimensions



Fully Integrated I/O



1. 1 x RS-232/422/485 Conn.
2. 1 x RS-232
3. 2 x Mic In / Line Out
4. 4 x USB 3.0
5. 2 x LAN
6. 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 Specifications

- CPU : 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® H170
- System Memory : 1 x SO-DIMM, Max 16Gb DDR4 2400 MHz default 4G
- Storage : 1 x M.2 SSD, Max 256GB
1 x 2.5" 500GB HDD (default)
- Audio : Realtek ALC283 HD Audio Codec
- Network : Intel® Ethernet Controller I211-AT + Intel® Gigabit Ethernet PHY I219-LM

Input / Output

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

Power Management

- Power Input : 12V DC IN (Lockable Power Jack)
- Power Consumption : 96W (typ.)(Max.backlight & high CPU load)

Accessories

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

Display Specifications

- Size/Type : 21.5" TFT
- Resolution : 1920 x 1080
- Contrast Ratio : 3000:1 (typ.)
- Brightness : 250 nits
- Viewing Angles : -89~89 (H); -89~89 (V)
- Max Colors : 16.7M

Environment

- 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 : Chassis | Storage : 2.5"HDD/2.5" SSD/ M.2 SSD |
| Touch : 5 Wire Resistive (Optional)
AR Glass(Optional) | RAM : DDR4 2400 Max 16GB |
| | OS : Windows 10 IoT Enterprise |

Expansion Slot

- 2 x M.2(1 for WiFi, 1 for SSD), 1 x PCIe 16(Optional)

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

OS BSP/Driver Support

- Support Windows 10 IoT Enterprise



Revised Date:13-Nov-2018 V1.1