

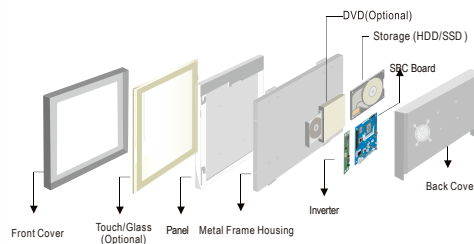
# R19IK7T-CHA1

## 19" Panel PC (Intel 7<sup>th</sup> Generation Core i3/i5/i7 Processor)

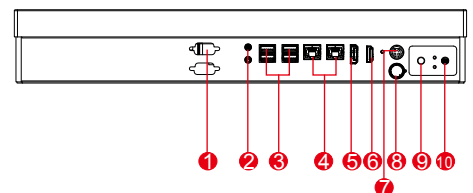
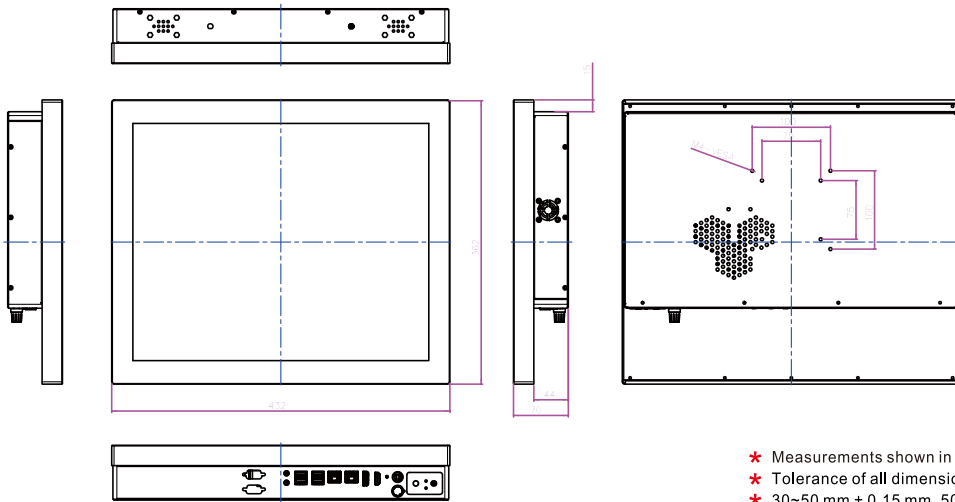
### Mechanical Design



Chassis



### Dimensions



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

### Fully Integrated I/O

- \* Measurements shown in mm
- \* Tolerance of all dimensions is shown as follow 0~30 mm ± 0.1 mm, 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 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 : 90W (typ.)(Max.backlight & high CPU load)

#### Accessories

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

#### Display Specifications

- Size/Type : 19" TFT
- Resolution : 1280x1024
- Contrast Ratio : 1000:1 (typ.)
- Brightness : 400 nits
- Viewing Angles : -85~85 (H); -80~80 (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 PCIex 16(Optional)

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

#### OS BSP/Driver Support

- Support Windows 10 IoT Enterprise