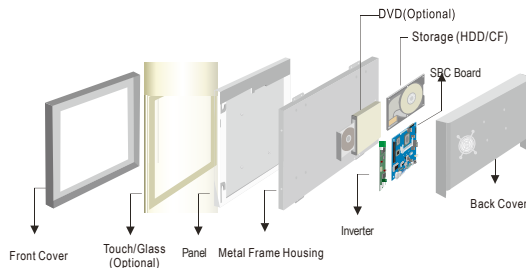


# R15IK7T-CHC3 15" Panel PC (Intel 7<sup>th</sup> Generation Core™ i3/i5/i7 Processor)

## Mechanical Design



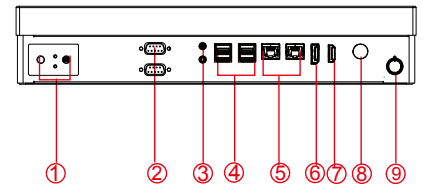
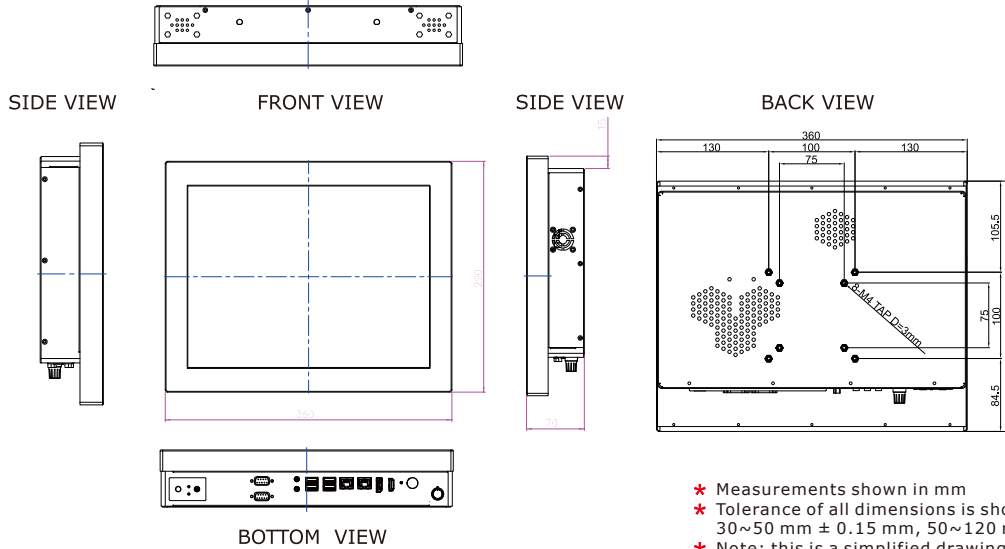
Chassis



Mechanical design  
Dimensions

### Features:

- 15" 1024 x 768 Resolution
- Intel 7<sup>th</sup> 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 4096x2304@60Hz
- HDMI Support 4096x2304@24Hz



1. Power On Button/  
Power Rest Button
2. 2 x RS232/422/485
3. Mic In/Line Out
4. 4 x USB3.0
5. 2 x RJ45  
(10/100/1000 Mbps)
6. DP 1.2
7. HDMI 1.4
8. 12V DC in
9. Brightness Adjustment  
Knob

### 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	
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	: 85W (typ.)(Max.backlight & high CPU load)

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

Panel Spec	
Size/Type	: 15" TFT
Resolution	: 1024 x 768
Brightness	: 250 cd/m <sup>2</sup> (typ.)
Contrast Ratio	: 700 : 1(typ.)
Viewing Angles	: -88~88(H);-88~88(V)
Max Colors	: 16.2M

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

Expansion Slot	
• 2 x M.2 (1 for WiFi, 1 for SSD ), 1 x PCIe x 16	
*Customized housing required if you need to have the PCIe expansion	