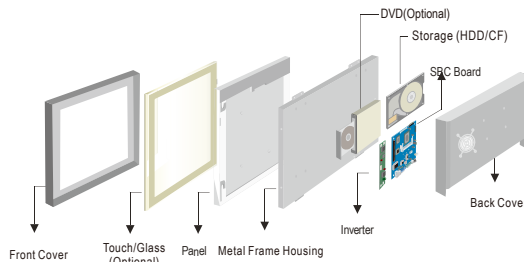


# R15IK7T-CHC3 15" Panel PC (Intel 7<sup>th</sup> Generation Core™ i3/i5/i7 Processor)

## Mechanical Design



Chassis



Mechanical design

Dimensions

### Features:

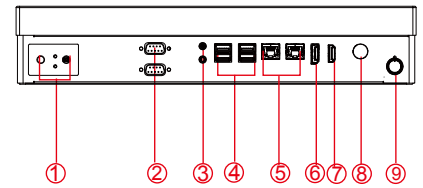
- 15" 1024 x 768 Resolution
- Intel 7<sup>th</sup> Generation Core i3/i5/i7 processor (Kabylake)
- Flexible storage devices, one 2.5-inch HDD and one SSD
- Multiple I/Os, Two Serial Ports and Four USB 3.0 Ports
- 12V DC Power input
- DP Support 4096x2304@60Hz
- HDMI Support 4096x2304@24Hz

SIDE VIEW

FRONT VIEW

SIDE VIEW

BACK VIEW



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 nits (Optional 400 nits)
- 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                      | Storage : 2.5" HDD/ M.2 SSD    |
| Touch : 5-Wires Resistive(Default)        | RAM : SODIMM DDR4              |
| Panel : 1000 cd/m <sup>2</sup> (Optional) | 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