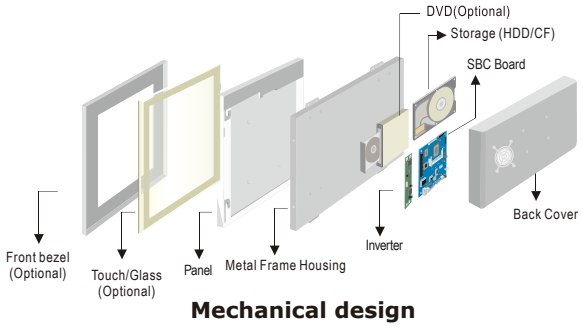
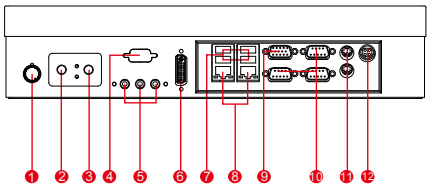
R15IV7T-CHC3 15" Panel PC (Intel® 3rd Generation Core™ i7/i5/i3)

Mechanical Design

Chassis



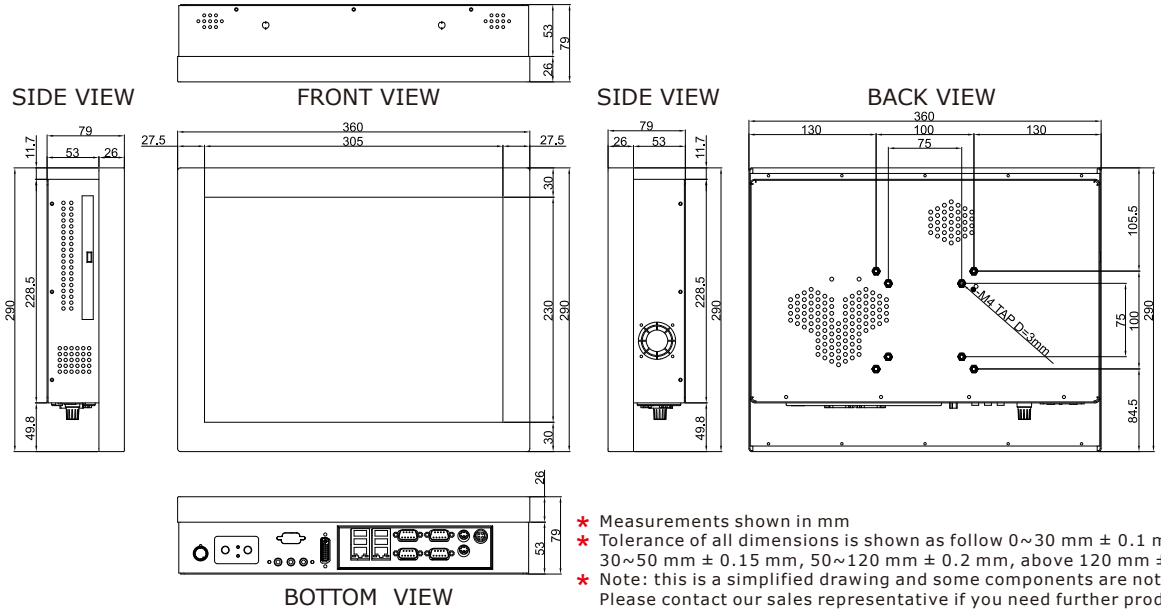
Mechanical design



1. Brightness Adjustment Knob
2. Power Reset Button
3. Power On Button
4. RS-232 Conn.(Optional)
5. Audio Jack
6. DVI (Optional)
7. USB
8. RJ-45
9. VGA Out
10. RS-232 Conn.
11. PS/2
12. 12V DC IN

Fully Integrated I/O

Dimensions



* 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

- CPU : Intel® 3rd Generation Core™ i7/i5/i3
- Memory : 2 x SO-DIMM, Max 16GB DDR3L 1333/1600
- System Chipset : Intel® HM76 Chipset
- Storage : 1 x SATAIII, 1 x SATAII, 1 x mSATA
- LAN : Dual Broadcom BCM57780 GbE
- Audio Codec : Realtek ALC886 HD Audio Codec

Input / Output

- Serial Ports : 2 x RS232, 1 x RS232/422/485
- USB Ports : 4 x USB 3.0
- Keyboard / Mouse : 2 x PS/2
- Ethernet : 2 x RJ 45-10/100/1000 Mbps
- VGA : 1 x VGA (female)
- Audio : Line-Out, Line-In, Mic in

● Default setting:RS232

Expansion Slot

- 1 x PCI-E(x16), 2 x Mini PCI-E

Power Specifications

- Power Input : 12V DC IN
- Power Consumption : 87W (typ.)(Max.backlight & high CPU load)

Accessories

- External Power Supply 110~240V AC- in power adapter

Panel Spec

- Size/Type : 15" TFT
- Resolutions : 1024 x 768
- Brightness : 250 cd/m^2 (typ.)
- Contrast Ratio : 500 : 1(typ.)
- Viewing Angles : -70~70(H);-60~60(V)
- Max Colors : 16.2M

Environment Considerations

- Operating Temperature : 0 deg.C to 50 deg.C
- Operating Humidity : 30% to 90% (non condensing)

OS BSP / Driver Support

- Support Windows 10 IoT Enterprise / Windows 8 Embedded / Windows 7 Embedded / Windows XP Embedded

Order Options

Mechanical : Chassis
Touch : 5 Wires Resistive(Optional)

(A customized housing is needed if you have demands of SAW/IR/IT/SC touch)

Storage : **2.5"HDD/mSATA SSD**
RAM : SO-DIMM DDR3L 1600
OS : Windows 10 IoT Enterprise
Windows 8 Embedded
Windows 7 Embedded
Windows XP Embedded
DVD : Yes(Optional)

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Note: All Specifications are subject to change without prior notice!

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