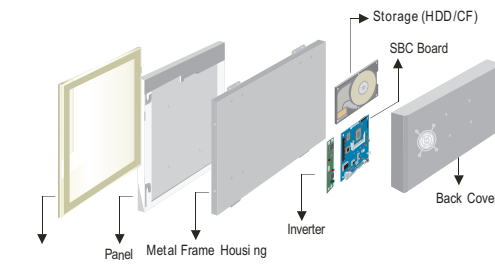


R12IV7T-OFM2 12.1" Panel PC (Intel® 3rd Generation Core™ i7 / i5 / i3)

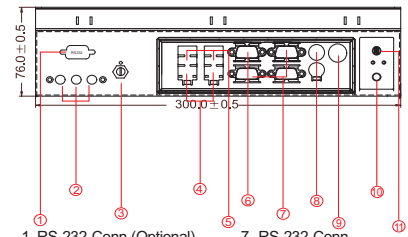
Mechanical Design



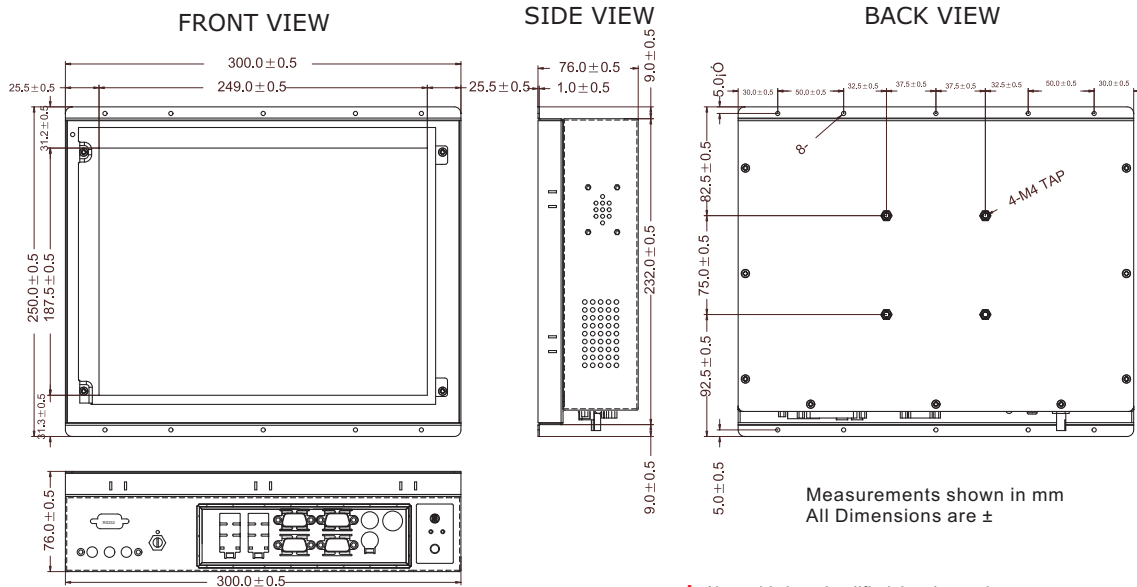
Open Frame



Modularized Construction



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

- CPU : Intel® 3rd Generation Core™ i7/i5/i3
- Memory : 2 x SO-DIMM, Max 16GB DDR3 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

Panel Spec :

- Size/Type : 12.1" TFT
- Resolutions : 1024 x 768
- Brightness : 500 cd/m² (typ.)
- Contrast Ratio : 700 : 1(typ.)
- Viewing Angle : -80~80(H);-70~70(V)
- Max. Colors : 16.2M colors

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

Environment Considerations :

- Operating Temperature : 0 deg.C to 45deg.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

Expansion Slot :

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

Power Specifications :

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

Accessories :

- External Power Supply 110~230V AC-in power adapter

Order Options :

- | | |
|---|---|
| Mechanical : Open Frame
Panel Mount(5 mm bezel)
IP65(10 mm bezel)
Chassis | CPU : Check with Sales
Storage : 2.5" HDD/SSD/CF
RAM : SODIMM DDR3
OS : Windows 10 IoT Enterprise
Windows 8 Embedded
Windows 7 Embedded
Windows XP Embedded |
| Touch : 5-Wires Resistive(Optional)
Anti-Reflective Protective Glass
(A customized housing is needed if you have demands of SAW/IR/IT/SC touch) | |



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Revised Date:06/17/2016

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