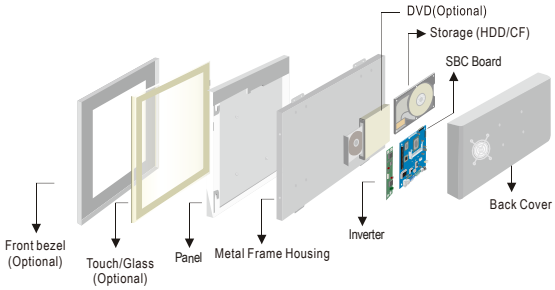
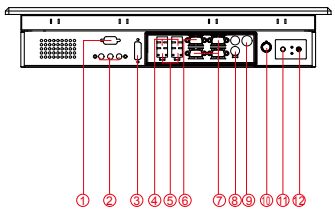
R19IV7T-PMM1 19" Panel PC (Intel® 3rd Generation Core™ i7/i5/i3)

Mechanical Design

Panel Mount (8 mm front bezel)



Mechanical design

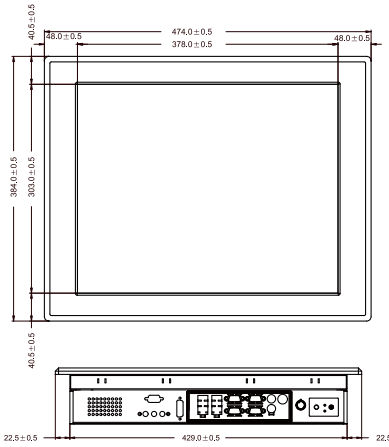


1. RS-232 Conn.(Optional)
2. Audio Jack
3. DVI (Optional)
4. USB
5. LAN
6. VGA
7. RS-232 Conn.
8. PS/2
9. DC-IN Lockable Power Jack
10. Brightness Adjustment Knob
11. Power On Button
12. Power Reset Button

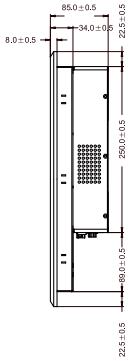
Fully Integrated I/O

Dimensions

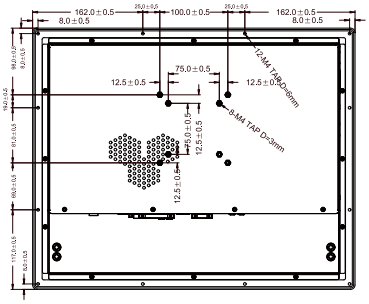
FRONT VIEW



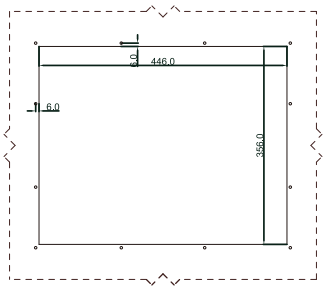
SIDE VIEW



BACK VIEW



IP65 CUT OUT



BOTTOM VIEW

* 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 CoreTM 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

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 RJ45-10/100/1000Mbps
- VGA : 1 x VGA (female)

● Default setting:RS232

Expansion Slot (internal)

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

* A customized housing is needed if you would like to have the PCI expansion.

Power Specifications

- Power Input : 12V DC IN (Lockable Power Jack)
- Power Consumption : 96W(typ.)(Max.backlight & high CPU load)

Accessories

- External Adapter : 110~230V Ac-in 12V DC-output power adapter

Panel Spec

- Size/Type : 19" TFT
- Resolutions : 1280 x 1024
- Brightness : 250 cd/m^2 (typ.)
- Contrast Ratio : 1000 : 1(typ.)
- Viewing Angles : -85~85(H);-80~80(V)
- Max Colors : 16.7M (8 bits/colors)

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 / Windows7 Embedded / Windows8 Embedded

Order Options

Mechanical : Panel Mount (8mm bezel)	Storage : 2.5" HDD/mSATA SSD
Touch : 5 Wires Resistive or AR Protective Glass either one	RAM : SO-DIMM DDR3
(A customized housing is needed if you have demands of SAW/IR/IT/SC touch)	OS : Windows 10 IoT Enterprise Windows 7 Embedded Standard /Windows 8 Embedded

CE FC RoHS COMPLIANT 2011/65/EU

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

Revised Date:11/28/2017 V1.2