

# R10ID7T-PMT2PS 10.4" Panel PC (Intel® Atom Dual Core D2550)

Mechanical Design



Panel Mount(6 mm front bezel) PCI Input



106.68 mm



175.26 mm

## Feature :

- Designed for one PCI Slot
- No convex part on IO side edge
- Only Support half-size PCI Card  
15.24 x 175.26 x 106.68 mm

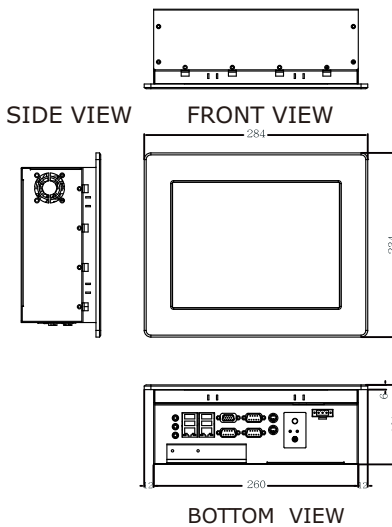
**SCIENCE GATE**  
Your Automation Partner



**SCIGATE AUTOMATION (S) PTE LTD**

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## Mechanical design :



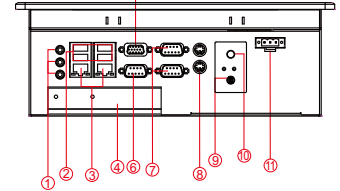
SIDE VIEW

FRONT VIEW

BACK VIEW

CUT OUT

Fully Integrated I/O



1. Audio Jack
2. USB
3. RJ-45
4. PCI Card Slot
5. VGA Out
6. RS-232/422/485 Conn.
7. RS-232 Conn.
8. PS/2
9. Power On Button
10. Power Reset Button
11. 12V DC-in Terminal Block (Phoenix type)

- \* Total Dimension ( L x H x D ) : 284 x 234 x 101 mm
- \* Cutout Dimension ( L x H ) : 262 x 202 mm
- \* 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® Atom Dual Core D2550 1.86 GHz
- Memory : 1 x SODIMM Max 4GB DDR3 800/1066
- System Chipset : Intel® NM10
- SATA : 2 x SATA II
- LAN : Dual Broadcom BCM 57780 GbE controller
- Audio Codec : Realtek ACC886 HD Audio Codec

### Panel Spec

- Size/Type : 10.4" TFT
- Resolutions : 1024 x 768
- Brightness : 350 cd/m<sup>2</sup> (typ.)
- Contrast Ratio : 1000 : 1 (typ.)
- Viewing Angles : -88~88(H); -88~88(V)
- Max Colors : 16.2M

### Input / Output

- Serial Ports : 2 x RS232, 1 x RS232/422/485
- USB Ports : 4 x USB
- Keyboard / Mouse : 2 x PS/2
- Ethernet : 2 x RJ 45-10/100/1000 Mbps
- VGA : 1 x VGA (female) ● Default setting: RS232

### Environment Considerations :

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

### OS BSP / Driver Support :

- Support Windows 7 / Windows XP Embedded / Windows XPP Embedded / Linux 3.2.0

### Expansion Slot :

- 1 x PCI (15.24 x 175.26 x 106.68 mm)  
\* A customized housing is needed if you would like to have the PCI expansion.

### Power Specifications

- Power Input : Terminal block Phoenix type / 12V DC-in
- Power Consumption : 32W (typ.)(Max.backlight & high CPU load)

### Accessories

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

### Order Options :

- Mechanical : Open Frame
- Touch : Resistive

- Storage : 2.5" HDD / 2.5" SSD
- RAM : DDR3 800/1066 Max 4GB
- OS : Windows XPE (Optional)  
Windows XPPE (Optional)  
Windows 7 (Optional)  
Linux (Optional)

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

