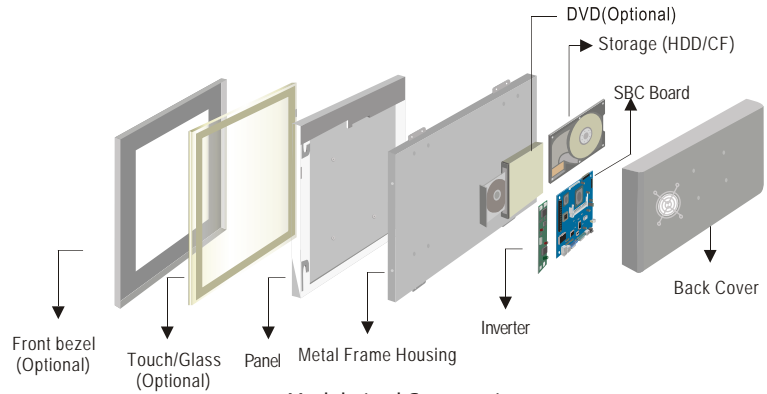


# PPC-CH010ATU

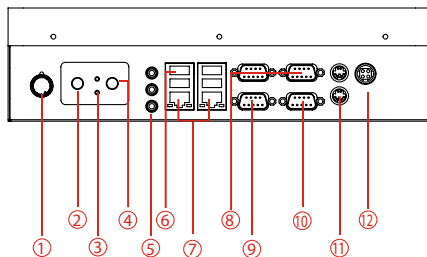
## 10.4" Panel PC w/ATOM Solution (Intel® Atom Platform)



Chassis

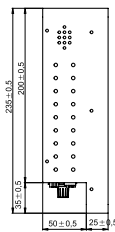


Modularized Construction

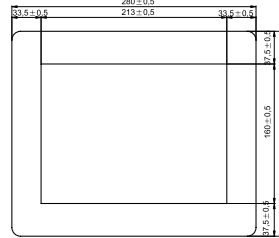


- |                               |                         |
|-------------------------------|-------------------------|
| 1. Brightness Adjustment Knob | 7. RJ-45                |
| 2. Power / HDD LED            | 8. VGA Out              |
| 3. Power On Button            | 9. RS-232/422/485 Conn. |
| 4. Power Reset Button         | 10. RS-232 Conn.        |
| 5. Audio Jack                 | 11. PS/2                |
| 6. USB                        | 12. DC IN Power Jack    |

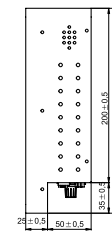
SIDE VIEW



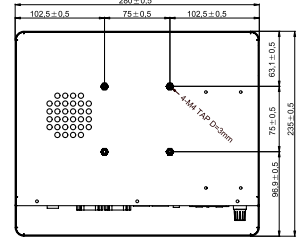
FRONT VIEW



SIDE VIEW

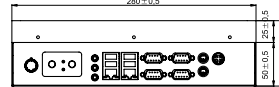


BACK VIEW



Measurements shown in mm  
All Dimensions are 0.5 mm

BOTTOM VIEW



\* 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.

### System Specifications

#### TFT Characteristics :

- Resolutions : 800 x 600
- Brightness : 220 cd/m<sup>2</sup> (typ.)
- Contrast Ratio : 500 : 1 (typ.)
- Viewing Angles : -60~60(H); -65~35(V)
- Max Colors : 262K

#### SBC Specifications :

- Processor : Intel® Atom N270 1.6GHz Processor
- BIOS : AMI 4Mbit Flash
- System Chipset : Intel® 945GSE/ICH7M
- Memory Slot : 1 x DIMM, Max 2GB DDR2 400/533
- Graphic Chipset : Intel® 945GSE Integrated (224MB shared)
- IDE : 1 x 44pin IDE (UDMA 33/66/100)
- KB/Mouse : 2 x PS/2
- Ethernet : 2 x RJ45 (Gigabit LAN)
- Audio : Realtek ALC655 codec
- SATA : 2 x SATA
- Serial : 3 x RS232, 1 x RS232/422/485 (1 x RS232 internal)
- USB : 8 x USB
- Expansion Slot : 1 x Mini PCI, 1 x PCI, 1 x PCIe (x1)
- Watchdog Timer : Software programmable supports 1~255 secretary.

\* 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 : 65W (typ.) (Max. backlight & high CPU load)

#### Environment Considerations :

- Operating Temperature : 0 deg.C to 45deg.C
- Operating Humidity : 30% to 90% (non condensing)

#### Input/ Output Connectors :

- Ethernet LAN : 2 x RJ 45-10/100/1000 Mbps
- Keyboard / Mouse : 2 x PS/2
- COM : 2 x RS232, 1 x RS232/422/485 9P DSUB (male)
- Audio : 1 x Audio Jack (Line-Out, Line-In, Mic in)
- USB : 4 x USB Type-A Receptacle
- VGA Out : 1 x VGA (female)

#### Order Options :

SBC	PANEL PC
<b>RAM</b> : 512 MB DDR2(Optional) 1GB DDR2(Optional)	<b>Mechanical</b> : Open Frame Panel Mount (5mm bezel) IP65 (10mm bezel) Chassis
<b>Storage</b> : 2.5"80 GB HDD* 1 GB Compact Flash(Optional)	<b>Touch OS</b> : 5 Wires Resistive(Optional) Windows XP(Optional) Windows XP (Optional) Linux(Optional)
* Default	

#### Accessories :

- External Power Supply 80W w/power cord



Rev.	Reasons	Revised Date
1.0	New Add	Nov-28-08



### American Portwell

44200 Christy Street,  
Fremont, CA 94538, USA  
Tel: +1-510-403-3399  
Fax: +1-510-403-3184  
E-mail: info@portwell.com  
http://www.portwell.com