

# Panel-PC Viper 12.1" Atom

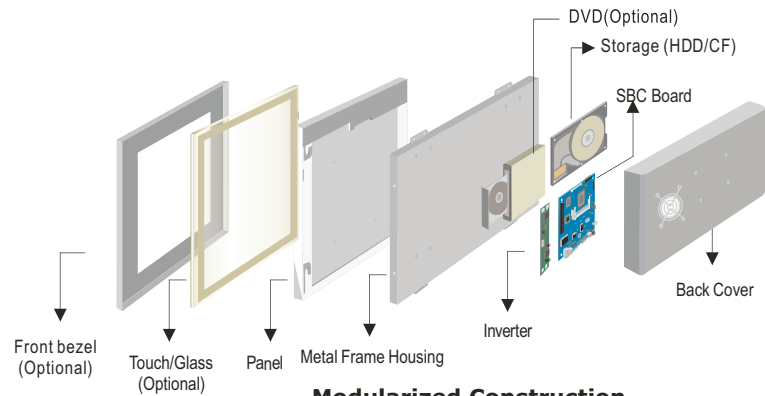
(Intel® Atom Platform)

Leader in Touchscreen Solutions

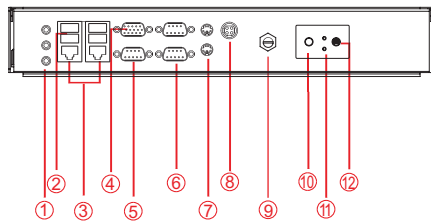
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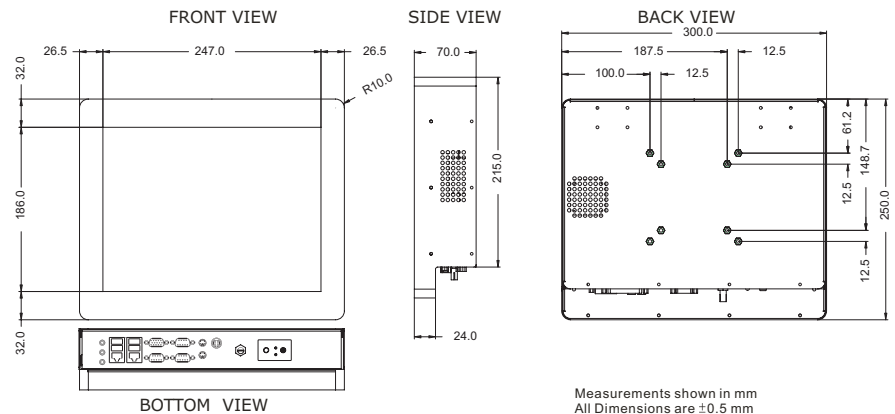
Chassis



Modularized Construction



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



Measurements shown in mm  
All Dimensions are ±0.5 mm

## System Specifications

### TFT Characteristics :

- Resolutions : 800 x 600
- Brightness : 400 cd/m<sup>2</sup> (typ.)
- Contrast Ratio : 500 : 1(typ.)
- Viewing Angles : -70~70(H); -50~60(V)
- Max Colors : 262,144 colors

### 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.

### 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> : 1GB DDR2 * 2GB DDR2(Optional)	<b>Mechanical</b> : Open Frame Panel Mount (5mm bezel) IP65 (10mm bezel) Chassis
<b>Storage</b> : 80 GB 2.5" SATA HDD* 1 GB Compact Flash(Optional)	<b>Touch OS</b> : 5 Wires Resistive * Windows XPE(Optional) Windows XP (Optional) Linux(Optional)
<b>* Default</b>	

### Accessories :

- External Power Supply 80W w/power cord

### Power Specifications :

- Power Input : 12V DC IN (Lockable Power Jack)
- Power Consumption : 65W (typ.)(Max.backlight & high CPU load)

