

# PMS7912 - 12" TFT LCD Fanless Touch Panel PC



## Features Highlight

- 12" 800 x 600 TFT LCD Flat Fanless Touch Panel PC
- Intel® Atom™ Cedar View D2550 1.86GHz Dual Core Processor
- Resistive Touch Screen
- Onboard 2GB DDR3 800MHz Memory (4GB Optional)
- Aluminum Die-Casting Chassis. IP65 Aluminum Front Bezel
- Aluminum Heat-Sink for Thermal Dissipation
- Easily Accessible Storage, Expansion slot support:
  - 1 x 2.5" SATA Hard Drive, 1 x Internal SD Card Slot
- Expansion Bus: 1 x Mini-PCIe Half Size
- 9~36V DC Input with Professional Terminal Block



The PMS7912 is a Panel PC that meets IP65 standard and has a 12" TFT-LCD Resistive Touch Screen with a viewing angle of 160° (horizontal) and 140° (vertical). Intel's Atom Cedar View D2550 1.86GHz Dual Core Processor is supported as well as onboard DDR3 2GB 800MHz RAM with the option of 4GB. The PMS7912 has a solid construction consisting of an Aluminum Die-Casting Chassis and Aluminum Heat-Sink for thermal dissipation and active cooling.

The easily accessible storage consists of an Internal SD slot and a Mini-PCIe half size slot. The Hard Drive Bay is capable of receiving a 2.5" SATA 2 drive. Externally there are two USB 2.0 ports and two Serial Ports (1 - RS-232/422/485 DB-9 and 1 - RS-232 DB-9). There is also two GbE RJ-45 LAN ports and a 3.5MM line out audio jack. The PMS7912 accepts a power input of 9~36V DC and consumes a maximum of 18W at 12V. The operating temperature is 0° ~50°C.

Broadax Systems, Inc.  
17539 E. Rowland Street  
City of Industry, CA 91748  
Toll Free: 1-800-872-4547  
TEL: 626-964-2600  
FAX: 626-964-2665  
www.bsicomputer.com  
info@bsicomputer.com



GS-35F-0496K

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## Specifications

<b>Item No.</b>	<b>PMS7912</b>
<b>Construction</b>	Aluminum Die-Casting Chassis, IP65 Aluminum Front Bezel
<b>LCD Size</b>	12" TFT LCD
<b>Touch Screen</b>	Resistive Touch (USB Interface)
<b>Resolution</b>	800 x 600
<b>Brightness(cd/m<sup>2</sup>)</b>	330 nits
<b>Color</b>	16.2M
<b>View Angle(H/V)</b>	160° / 140°
<b>Chipset</b>	Intel NM10 Chipset
<b>CPU Processor</b>	Intel Atom Cedar View D2550 1.86GHz Dual Core Processor
<b>System Memory</b>	Onboard DDR3 2GB 800MHz Memory (4GB Optional)
<b>I/O Connector</b>	1 x RS-232 1 x RS-232/422/485 2 x USB 2.0 2 x Gigabit Ethernet 1 x Audio (Line-Out) 1 x 3 pins terminal block connector, DC power input
<b>Expansion Bus</b>	1 x Mini-PCIe half Size
<b>Drive Bay</b>	1 x 2.5" SATA Drive Bay 1 x Internal SD Slot
<b>Audio</b>	1 x Line Out
<b>Power</b>	9~36V DC Terminal Block Power Input 60W 100-240VAC Power Adapter (Optional)
<b>Mounting</b>	Supports Panel Mounting, VESA 100 x 100
<b>Operation Temperature</b>	32° ~ 122 °F (0° ~ 50°C)
<b>Storage Temperature</b>	-4° ~ 140°F (-20° ~ 60°C)
<b>Relative Humidity</b>	10~90% @ 40deg C, non-condensing
<b>Dimensions(WxHxD)</b>	12.56" x 9.65" x 2.0" (319 x 245 x 52 mm)
<b>New Weight</b>	5.5 lbs (2.5 Kg)
<b>Certification</b>	CE / FCC Class A

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## Detail Views

### PMS7912 Fanless Touch Panel PC Frontview

Aluminum Die-Casting Chassis,  
IP65 Aluminum Front Bezel



### PMS7912 Fanless Touch Panel PC I/O View

1. 1 x Audio (Line-Out)
2. 2 x USB 2.0 Ports
3. 2 x Gigabit Ethernet Ports
4. 1 x RS-232/422/485  
(Default RS-232)
5. 1 x RS-232



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## Mechanical Drawing

