

# **MPC-42W7**

**42" Full HD Fanless Multi Media Touch Panel PC  
With Intel® Dual Core Solution**

## **Quick Reference Guide**



**1<sup>st</sup> Ed – 7 December 2012**

# 1. Getting Started

## 1.1 Safety Precautions

### Warning!



Always completely disconnect the power cord from your chassis whenever you work with the hardware. Do not make connections while the power is on. Sensitive electronic components can be damaged by sudden power surges. Only experienced electronics personnel should open the PC chassis.

### Caution!



Always ground yourself to remove any static charge before touching the CPU card. Modern electronic devices are very sensitive to static electric charges. As a safety precaution, use a grounding wrist strap at all times. Place all electronic components in a static-dissipative surface or static-shielded bag when they are not in the chassis.

## 1.2 Packing List

- 1 x MPC-42W7 42" Full HD Fanless Multi Media Touch Panel PC With Intel® Dual Core Solution
- 1 x DVD-ROM contains the followings:
  - User's Manual (this QRG in PDF file)
  - Chipset drivers and utilities
  - Gigabit driver and utilities
  - Audio drivers and utilities
  - Video Driver and utilities
  - Touch Driver and utilities
- 1 x Packing set includes the followings:
  - power cord
  - 8 x VESA mount screws



If any of the above items is damaged or missing, contact your retailer.

## 1.3 System Specifications

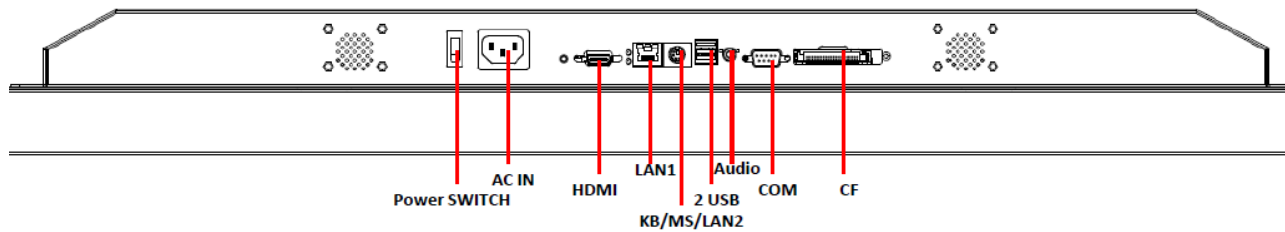
Component	
Mother Board	EBM-CDV
CPU	Intel® Atom™ Dual-Core D2550 1.86GHz CPU
Memory	One SODIMM socket supports up to 4GB DDR3 800/1066 SDRAM
Power Supply	AC input
Speaker	8Ω 5W*2 (E175X200600R)
Camera	Optional 1.3M
Wireless LAN	mPCIe Wi-Fi module
Operating System	Windows 7 Embedded/ Windows 7
Storage	
Hard Disk Drive	2.5" HDD
Solid State Drive	2.5" SSD
Other Storage Device	Type I/II CF
Panel	
LCD Panel	42" FHD LED Panel
LCD Control Board	Built-in
B/L Inverter/Converter	Built-in
Touch Screen	SAW touch USB
External I/O	
PS/2 KB & Mouse	1 x PS/2 (Co-layout with 2 <sup>nd</sup> LAN)
Serial Port	1 x COM (D-sub 9 pin)
USB Port	2 x USB
Video Port	1 x HDMI
Audio Port	1 x Line out
LAN Port	1 x RJ-45 (2 <sup>nd</sup> LAN co-layout with PS/2)
Wireless LAN Antenna	1 x Antenna
Switch	1 x Power switch
Expansion Slots	1 x mPCIe
Others	SIM socket
Mechanical	
Power Type	a. AT/ATX
Power Connector Type	a. AC input
Dimension	1045.4 x 663.4 x 86.4mm
Weight	TBD
Color	Black
Fanless	Fanless

## MPC-42W7

Reliability	
EMI Test	Class B
Safety	CE FCC
Dust and Rain Test	Front side IP54
Operating Temperature	0°C ~ 40°C
Operating Humidity	0%~90% relative humidity, non-condensing
Storage Temperature	-20~70°C

## 1.4 System Overview

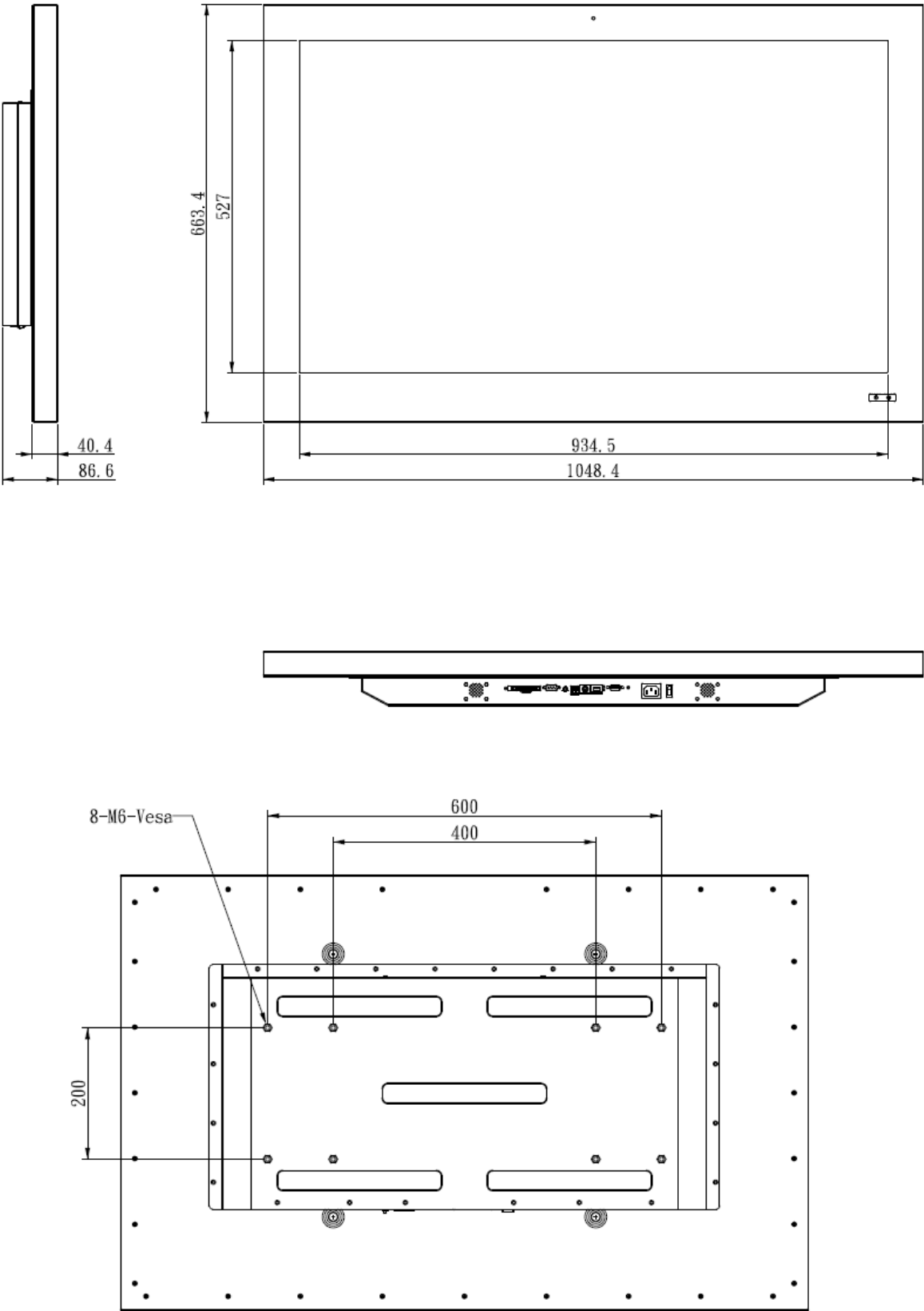
### 1.4.1 I/O View



### Connectors

Label	Function	Note
<b>Power SWITCH</b>	Power-in connector	
<b>COM</b>	Serial port	DB-9 male connector
<b>KB/MS/LAN2</b>	Keyboard-Mouse connector	
<b>AC IN</b>	AC power-in connector	
<b>HDMI</b>	HDMI connector	
<b>Audio</b>	Audio connector	
<b>USB</b>	USB connector	
<b>LAN1</b>	RJ-45 Ethernet connector 1	
<b>CF</b>	CF card slot	

1.5 System Dimensions



(Unit: mm)

## 2. Hardware Configuration

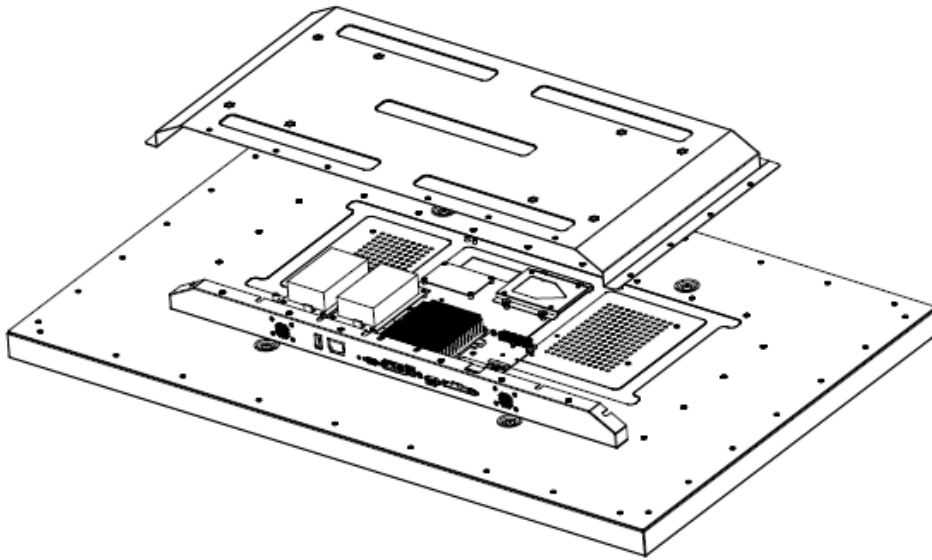
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**Note:** If you need more information, please visit our website:

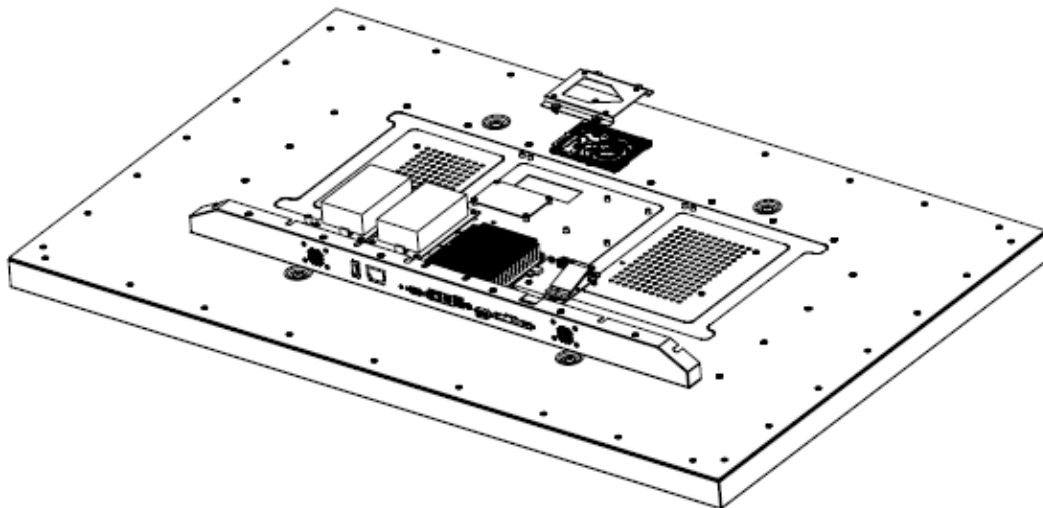
<http://www.avalue.com.tw>

## 2.1 Installing HDD & MPCIE



### Step 1:

Remove the back cover of your MPC-42W7 chassis.



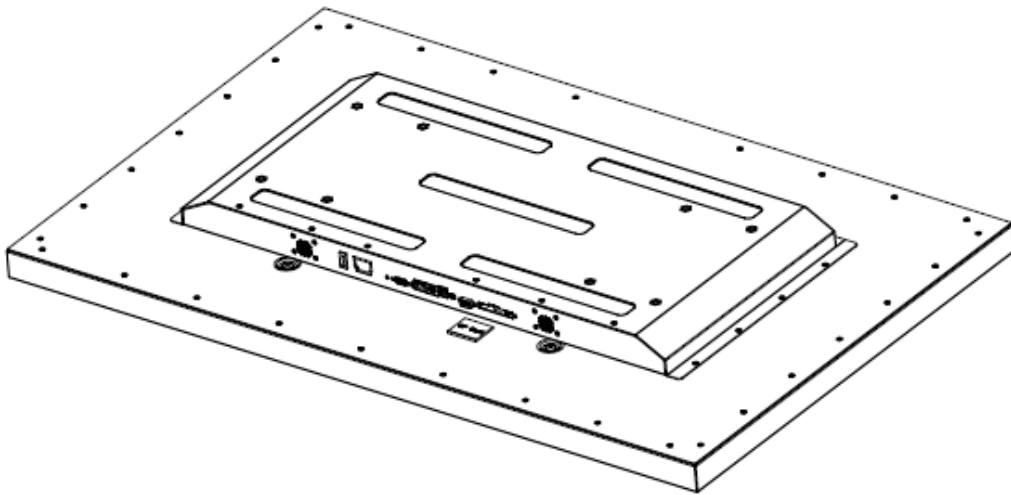
### Step 2:

Install your HDD into the HDD bracket by means of 4 screws.

### Step 3:

Insert MPCIE cards into designated locations





**Step 4:**

Place back the chassis and lock with 22 screws to finish.

