

MTP-1205 Series

12" Medical Touch Panel PC

Quick Reference Guide

1st Ed – 11 June 2011

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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 MTP-1205 Series Panel PC
- 1 x DVD-ROM contains the followings:
 - User's Manual (this manual in PDF file)
 - Ethernet driver and utilities
 - VGA drivers and utilities
 - Audio drivers and utilities
 - WiFi drivers and utilities
 - Touch controller drivers and utilities
- 1 x Power Adapter
- 1 x DC-in extended cable



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

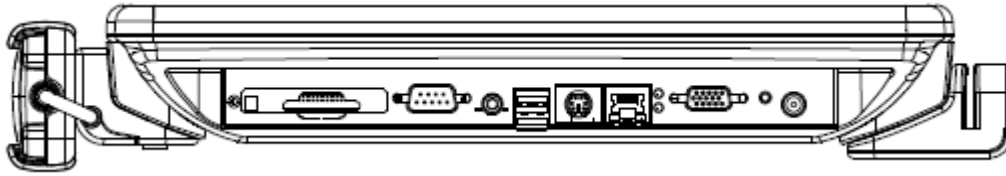
1.3 System Specifications

Panel 	
Model	MTP-1205
LCD size	12", 4:3
Display type	XGA
Resolution	1024 x 768
Color	262K
Pixel pitch	0.24mm(H) x 0.24mm(V)
Luminance	600 cd/m ²
Contrast ratio	700
Viewing angle	70(U), 70(D), 80(L), 80(R)
Response time	25 ms
Backlight	LED
Touch type	5 Wires resistive
Touch interface	USB
System 	
Board	EBM-PNV
CPU	Onboard Intel® Atom™ D525 Dual-Core 1.8GHz CPU
BIOS	AMI 8 Mbit Flash BIOS
System Chipset	Intel® ICH8-M Chipset
I/O Chipset	Winbond W83627DHG
System Memory	Onboard 1GB, One 200-pin SODIMM Support Up to 3GB SDRAM
SSD	One CF socket supports Type I / II Compact Flash Card.
HDD	One 2.5" SATA HDD
WiFi	Optional USB WiFi 802.11b/g/n
Watchdog Timer	Reset: 1 ~ 255min. and 1sec. or 1min./step
Display	Intel Pineview integrated, Gen3.5 + GFX Core @ 400MHz (PNV-D)
Audio	Realtek ALC 888 supports 5.1-CH Audio
Ethernet	Intel® 82574L Gigabit Ethernet

External I/O Ports 	
COM Port	1 x RS-232/422/485
Ethernet Port	1 x Giga LAN
USB Port	2 x USB 2.0
PS/2	1 x PS/2
Power Supply Unit 	
Power Input	12V
Power Output	5A (60W)
Environment & Mechanical 	
Operating Temperature	0~40°C (32~104°F)
Storage Temperature	-20 to +75°C (-4~167°F)
Relative Humidity	5 to 90% @ 40°C (104°F), relative humidity, non-condensing
Dimension (W x D x H)	310 x 260 x 51mm
Weight	2.3 Kgs
Mounting	VESA 75 x 75 mm

1.4 System Overview

1.4.1 Rear View

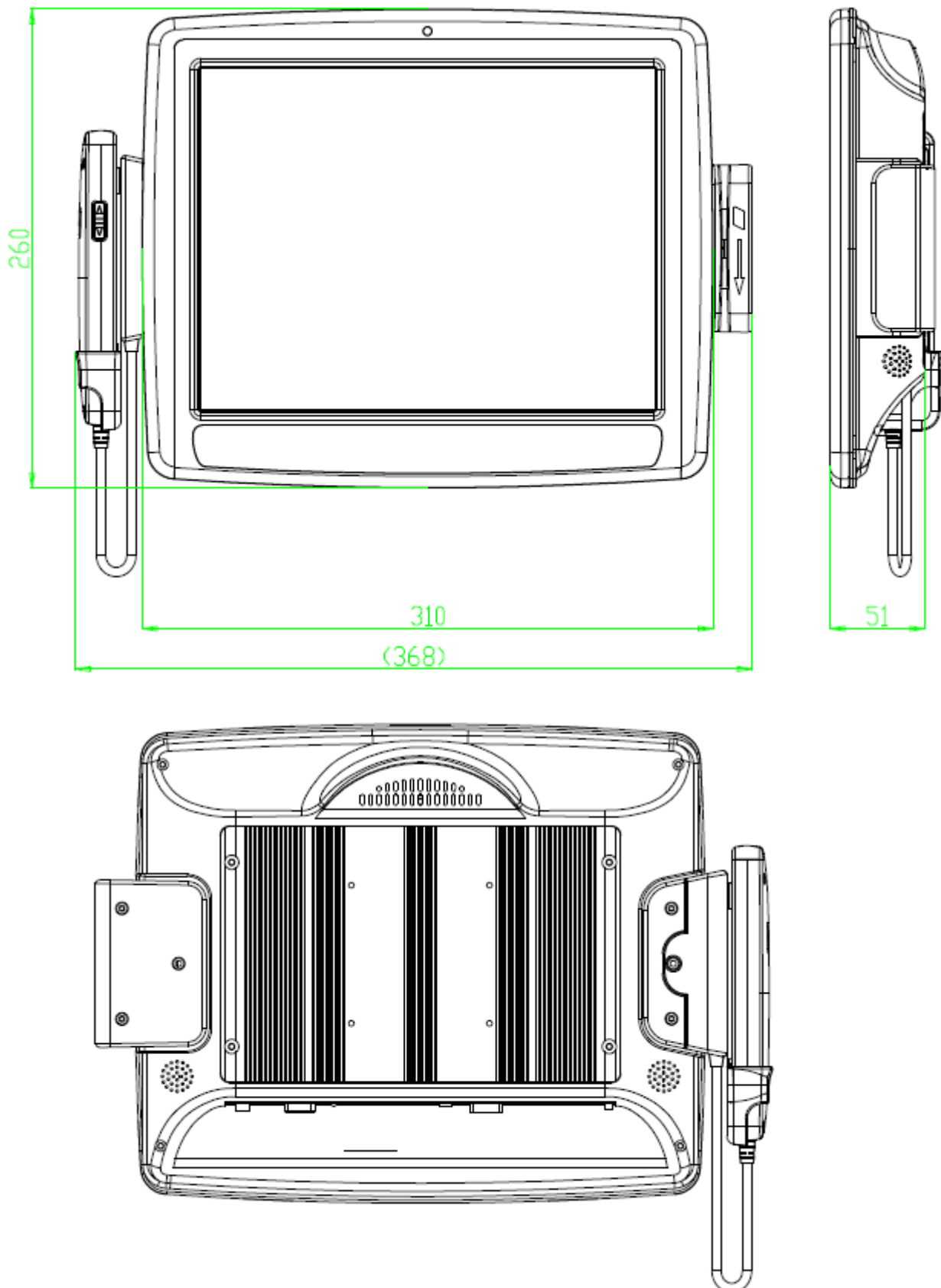


Connectors

Label	Function	Note
CF	CF Type I/II Socket with Ejector	Optional for 2 nd COM port
COM	Serial port	DB-9 male connector
LINE OUT	Line-out audio jack	
USB	2 x USB 2.0 connector	Dock USB
LAN1	RJ-45 Ethernet connector 1	
KB/MS (LAN2)	RJ-45 Ethernet connector 2 (KB/MS is default, LAN2 is optional)	
HDD	HDD indicator	
PWR	System power indicator	
VGA	CRT connector	DB-15 female connector
RESET	Reset button	
DC-IN	DC Power-in connector	

1.5 System Dimensions

1.5.1 Front and back view



2. Hardware Configuration

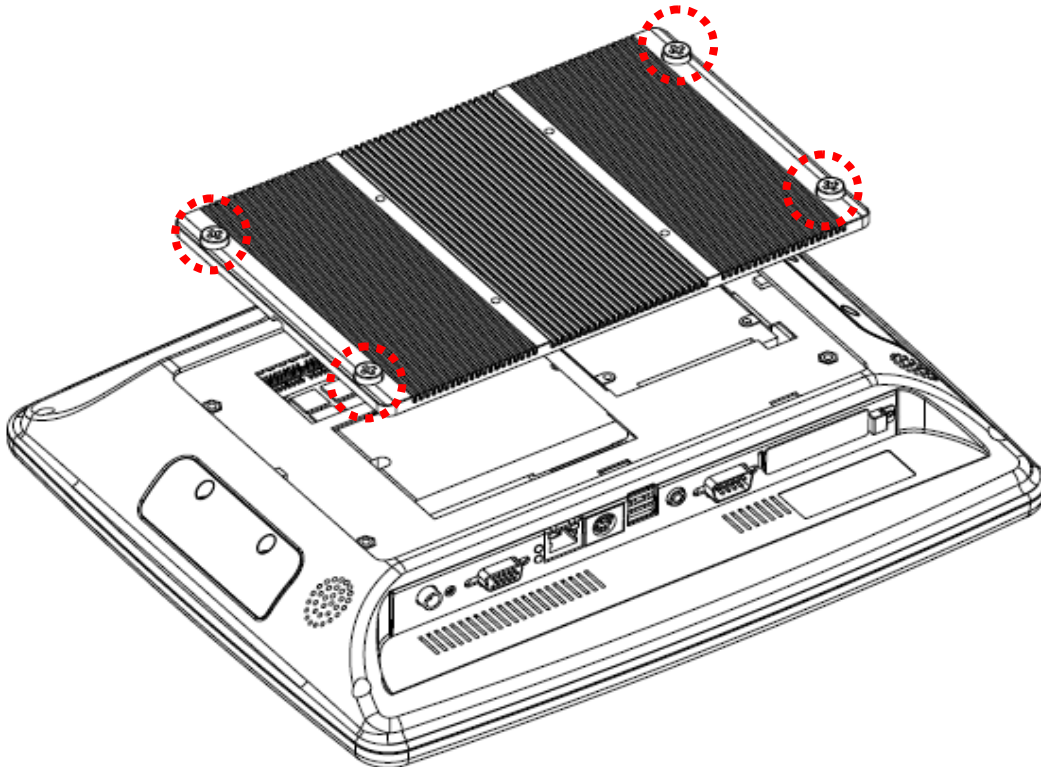


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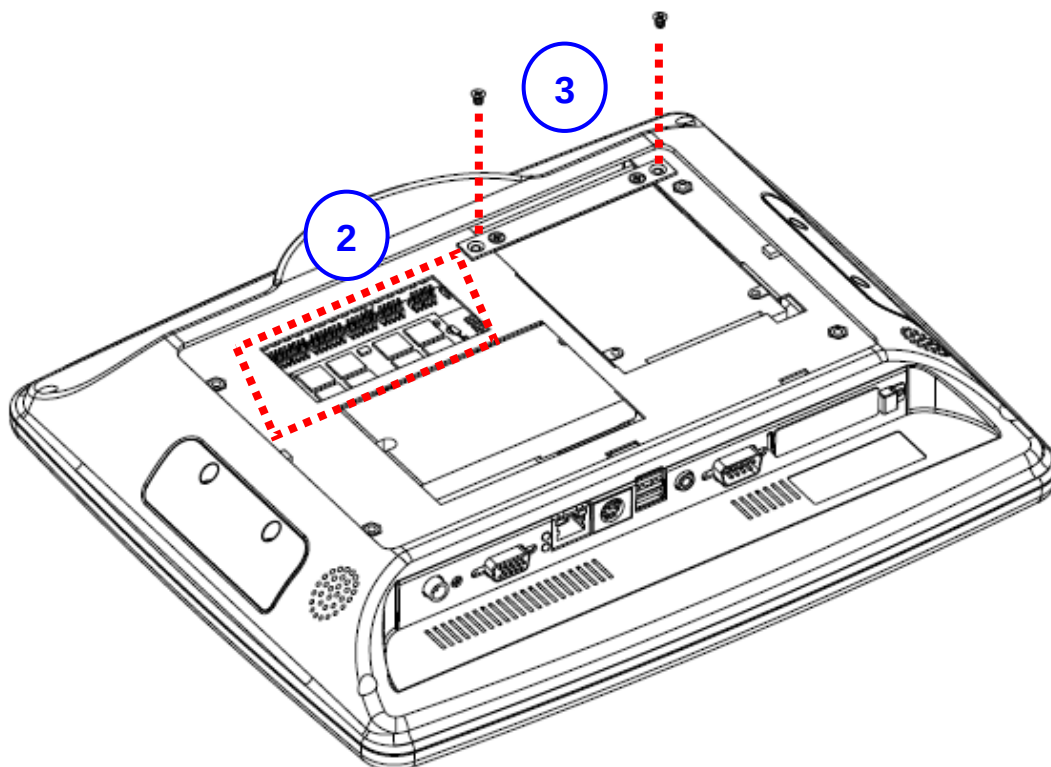
2.1 Installing Hard Disk & Memory

Step 1. Remove 4 screws to unlock back cover



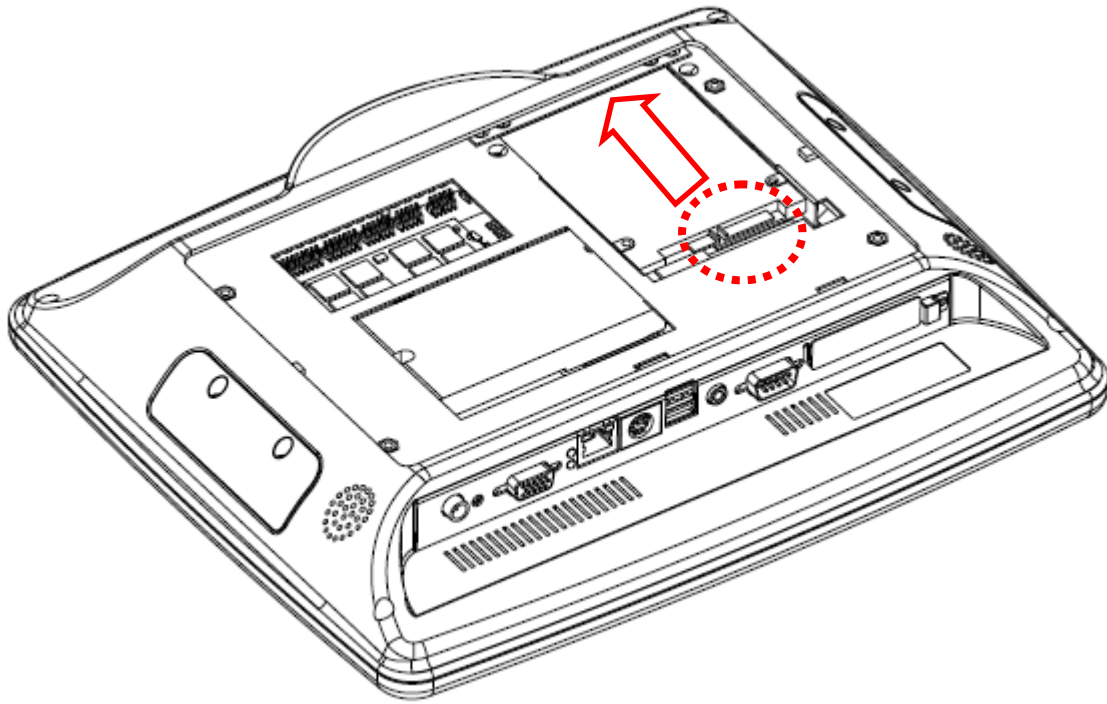
Step 2 Slide the SODIMM into the memory socket and press it down to seat it properly..

Step 3 Remove 2 screws to unlock HDD bracket.



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Step 4. Slide HDD in opposite direction so as to disconnect it from the SATA connector.



Step 5. Slide HDD outside the bracket by lifting the side where sits the connector.

