

AR-ES5430FL

Installation Guide

Revision	Description	Date
1.0	Release	2008/01/29
1.1	Add new system dimension	2009/06/16
1.11	Change new RS-232/485 Y-cable	2009/7/10

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1. Introduction to AR-ES5430FL

AR-ES5430FL is a system product mainly for ticket control, navigation, advertising, fleet managements applications. With fanless & dust-proof design, AR-ES5430FL can satisfy the user requirements in any application environment. AR-ES5430FL has diverse physical interface in the front panel, such as pluggable CF card, KB/MS connector, 2 USB Ports, 2 10/100/1000 LAN ports, VGA port, 4 console ports, LVDS port, DVI port, Audio output, External Switch Jack, Power Switch, Input Power connector. In addition, the system provides the capacity for extending I/O device by adding DRAM, CF card depending on users needs.

1.1 Discrimination (included Rubber Foot)

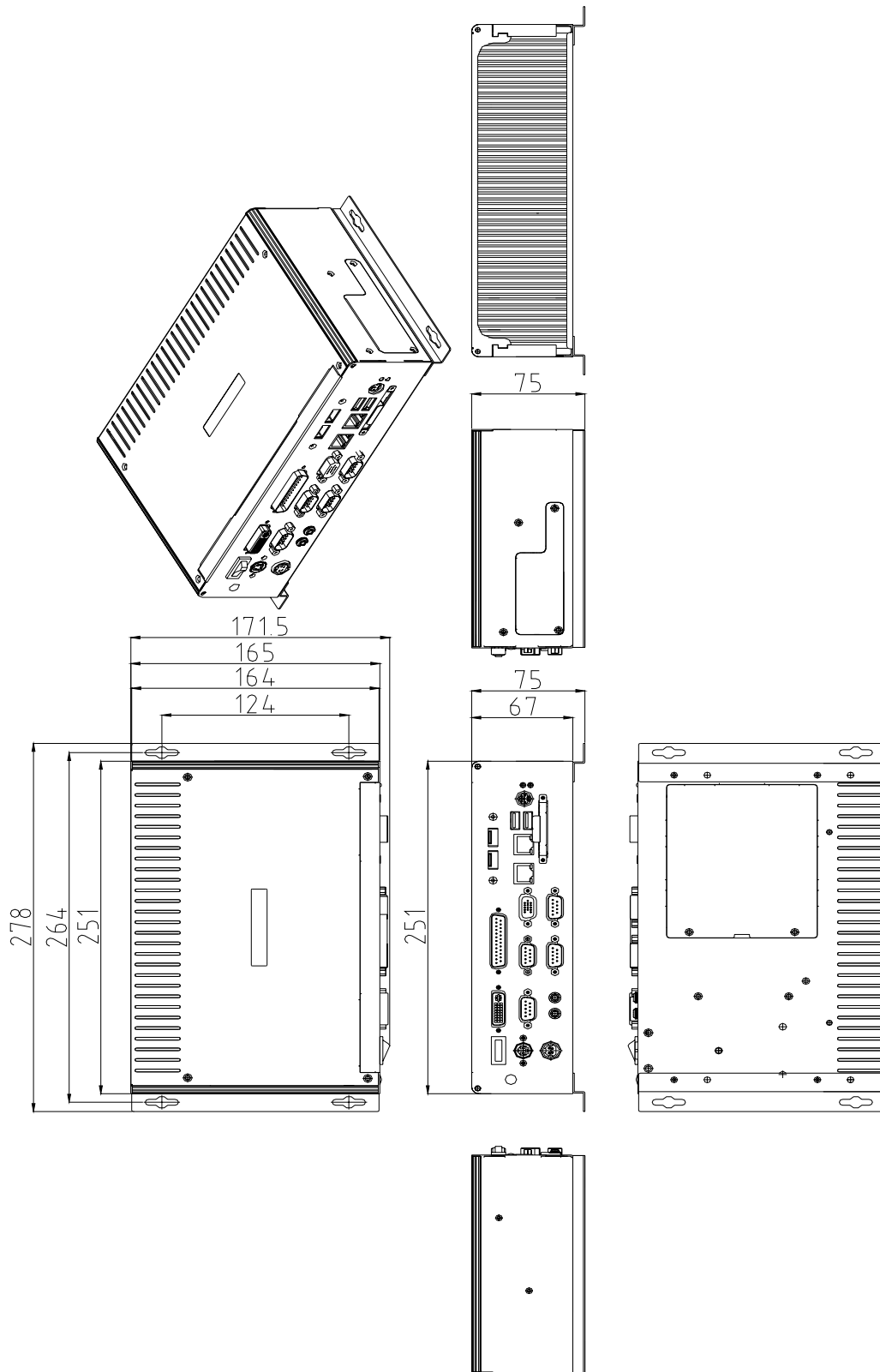
Description	AR-ES5430FL
CPU Board	AR-B5430 series
Dimensions	251×165×67 (mm)

1.2 Packing List

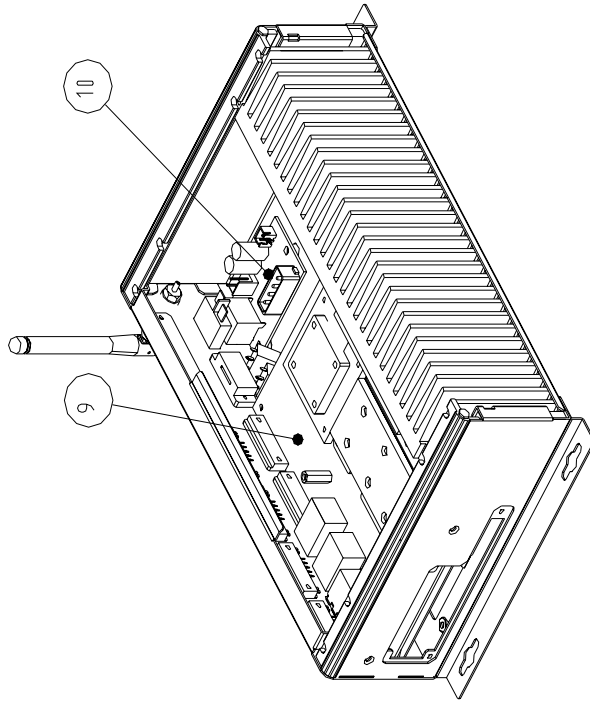
Description	Q'ty
AR-ES5430FL	1
Power Cord	1
IDE HDD Cable(SATA Cable Option)	1
KB/MS Cable	1
Mounting bracket	2
Mounting bracket Screw	4
CD	1
Quick Guide (AR-B5230)	1

1.3 Main system

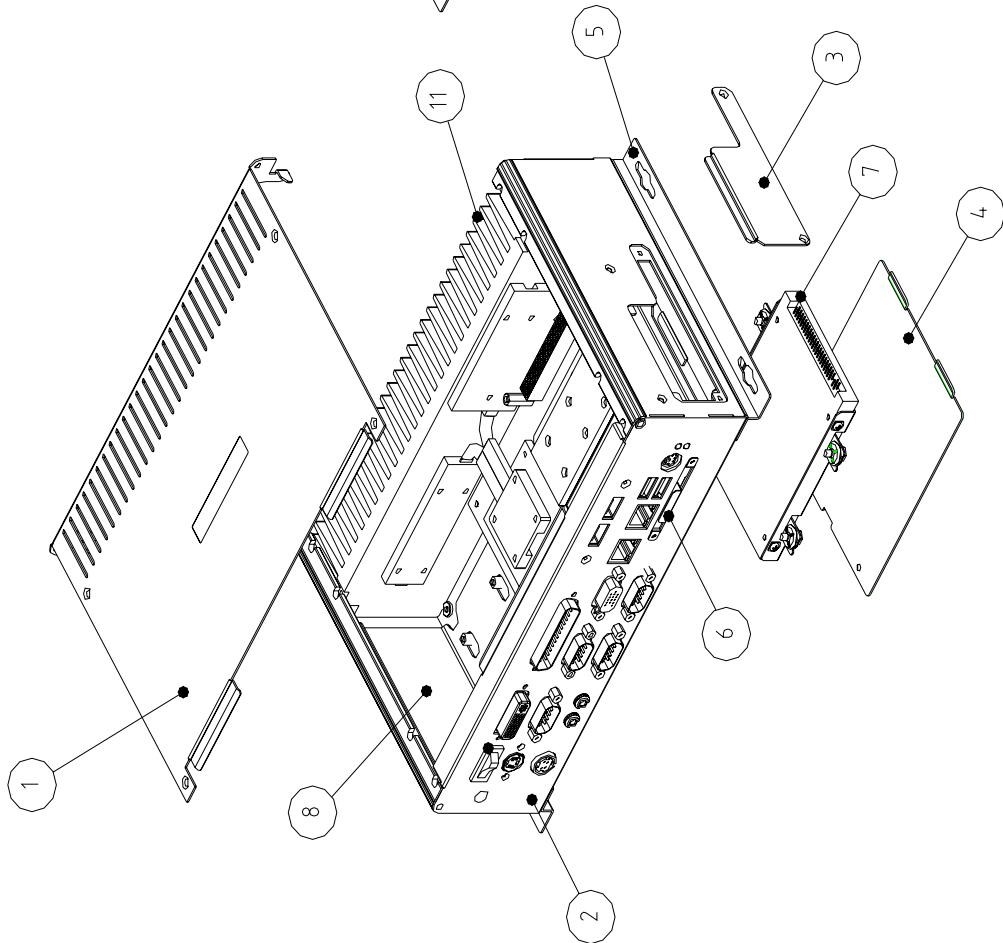
(1) Dimension



(2) System Configure



Item	Part No.	Description	Q'ty	Remark
11	170040055-G1	HEAT_SINK	1	
10	010080566	AR-B9427A_V1.0	1	
9	010080542	AR-B5430_V1.0	1	
8	170010722-G	PCB_BRACKET	1	
7	170010585-G	HDD_BRACKET	1	
6	170010698-G	CF_BRACKET	1	
5	170010701-G	MOUNTING_BRACKET	2	
4	170010696-G	BACE_BRACKET	1	
3	170010697-G	SIDE-BRACKET	1	
2	170010861-G	BOTTOM-CASE	1	
1	170010699-G	TOP-CASE	1	

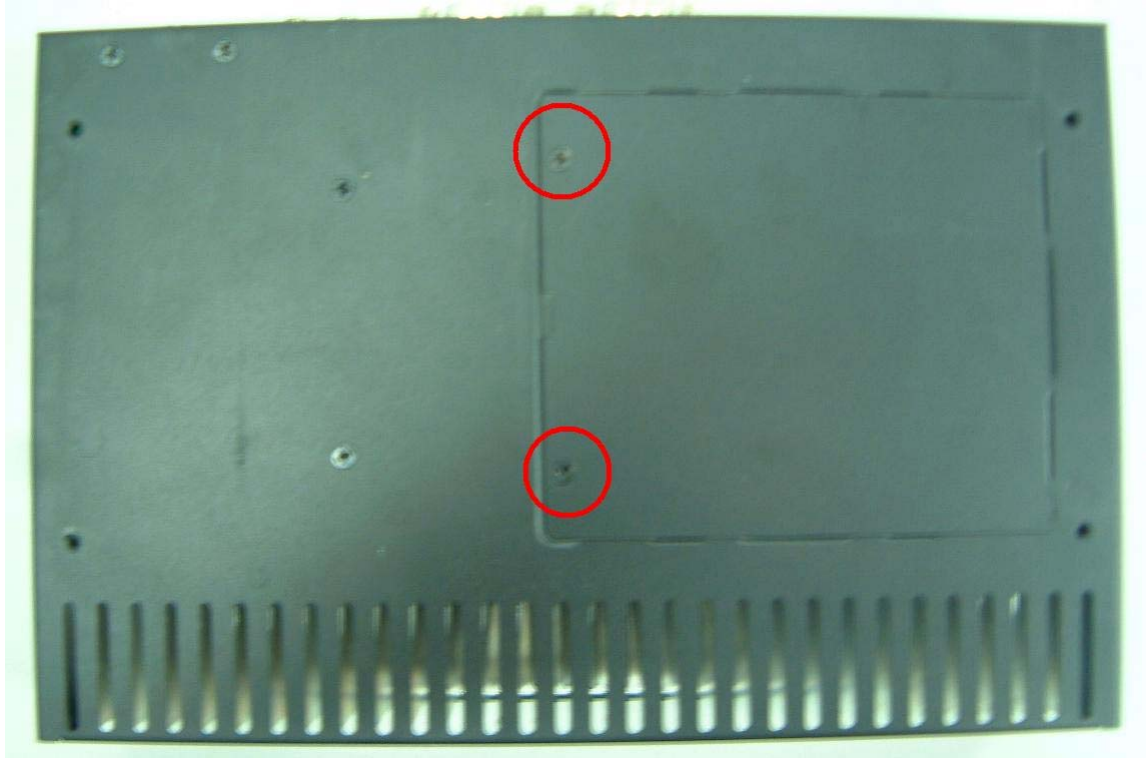


2. Procedure of Assembly/Disassembly

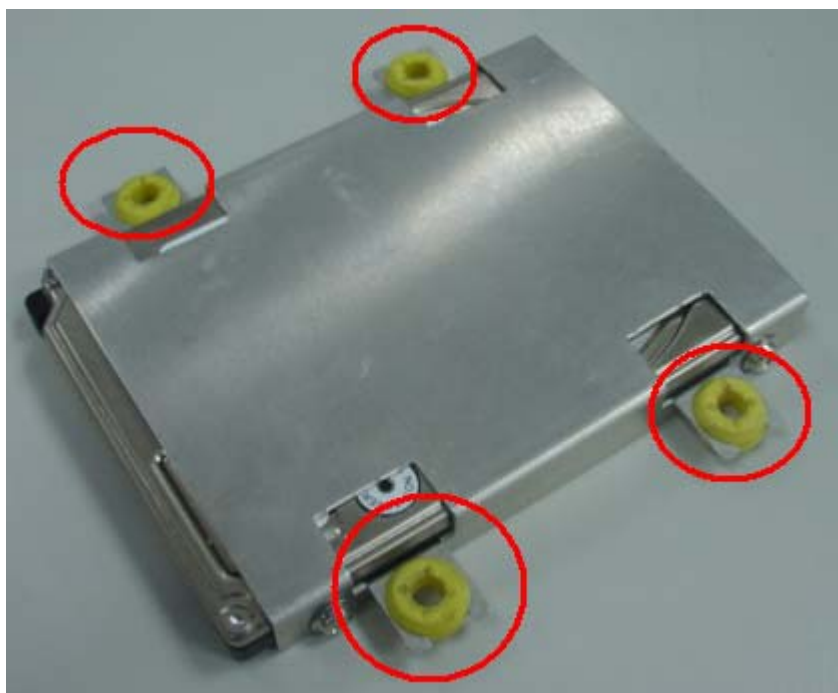
2-1 Installing the 2.5" Hard Disk Drive (HDD)

The following are procedure for install 2.5"HDD device

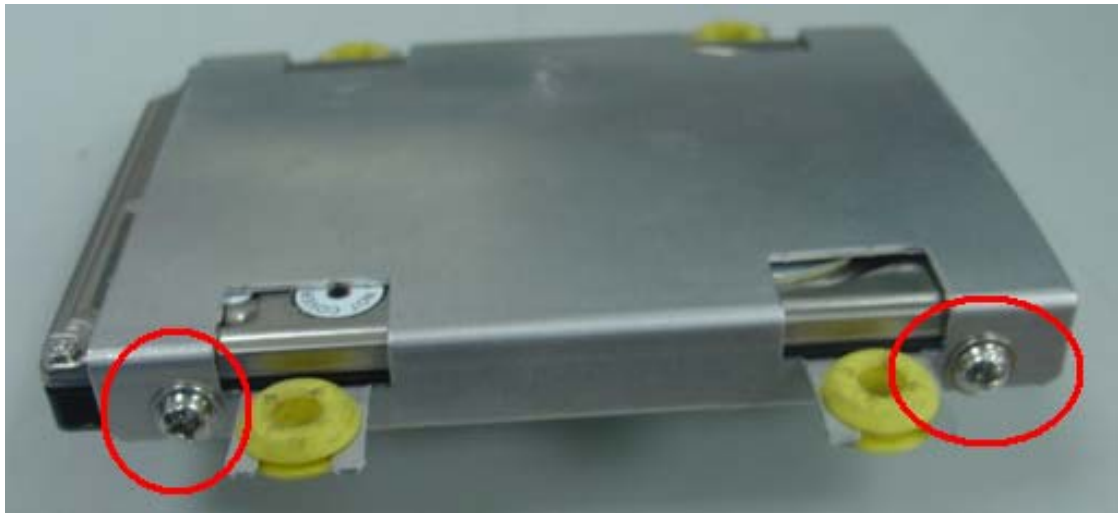
1. Remove bottom door screws (2pcs) in system bottom case



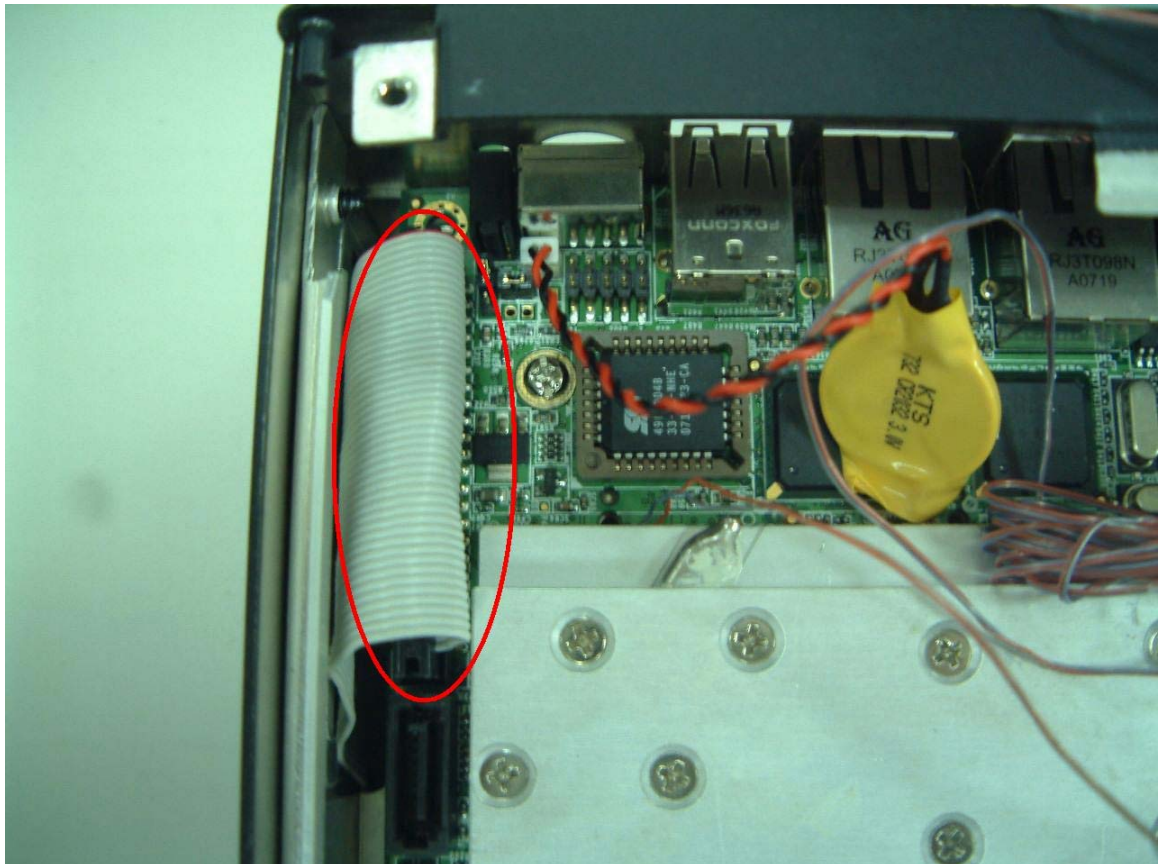
Insert the rubbers into the HDD bracket for each edges



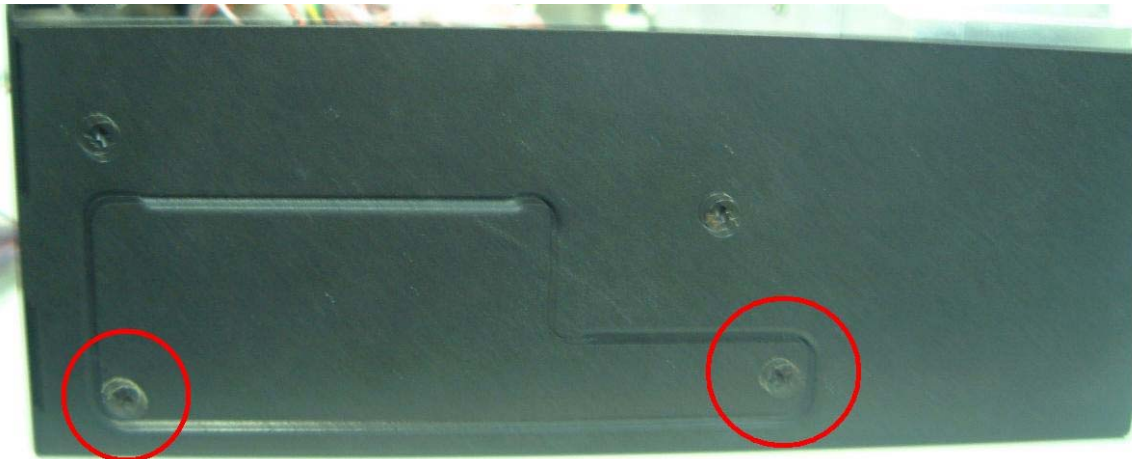
2. Lock HDD and Bracket together via screws (4pcs)



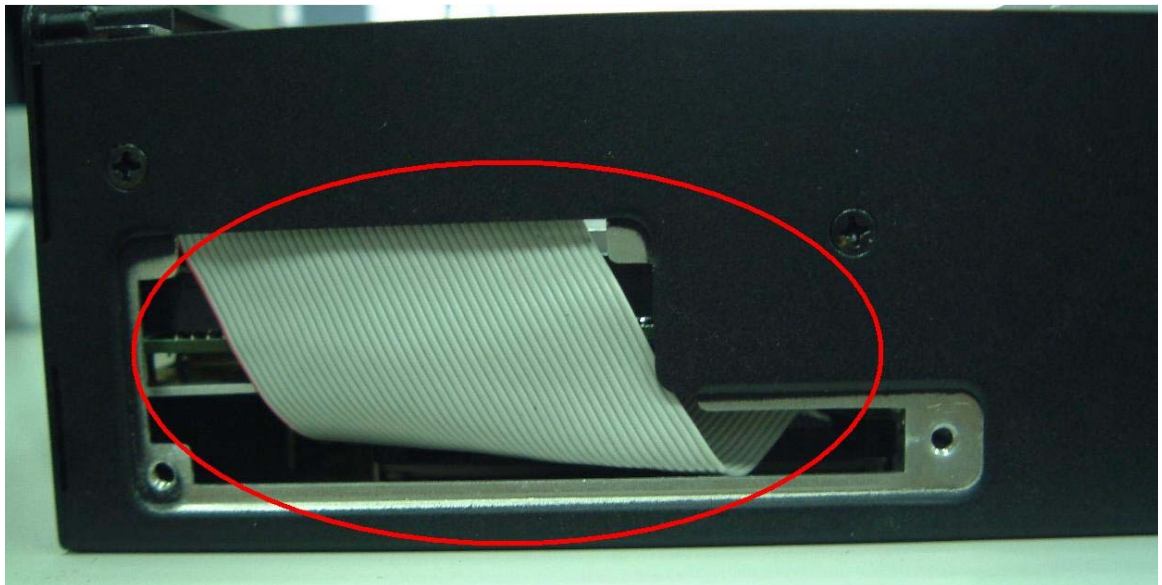
3. Plug the HDD cable into the 44-pin header connectors in main board



4. Remove right side door screws (2pcs) in system bottom case

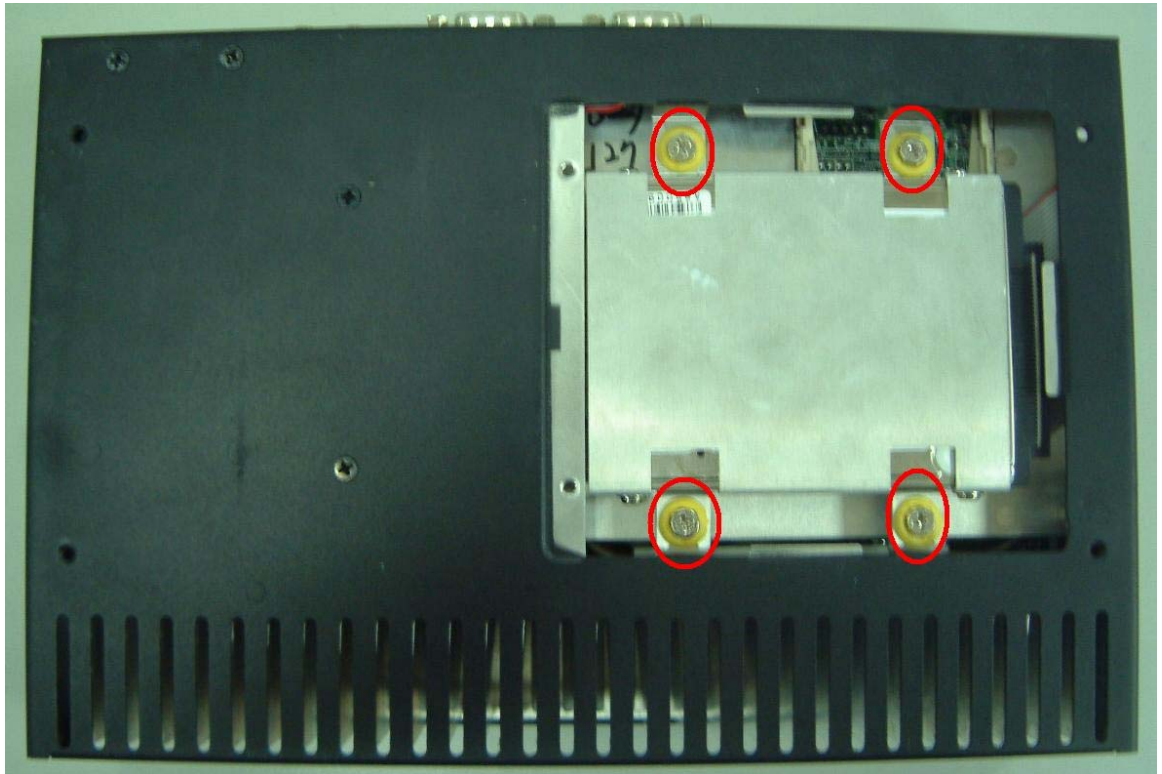


5. Route the HDD cable through the main board



6. Lock right side door screws (2pcs) in system bottom case

7. Lock HDD bracket to the top case by four screws



8. Insert HDD cable into the HDD module
9. Lock the door screws in system bottom case

2-2 Installing CF card

The following are procedure for install CF card

1. Remove screws (2pcs) in CF card bracket
2. Install CF card to the bracket



3. Insertion CF card to CF card expansion slot

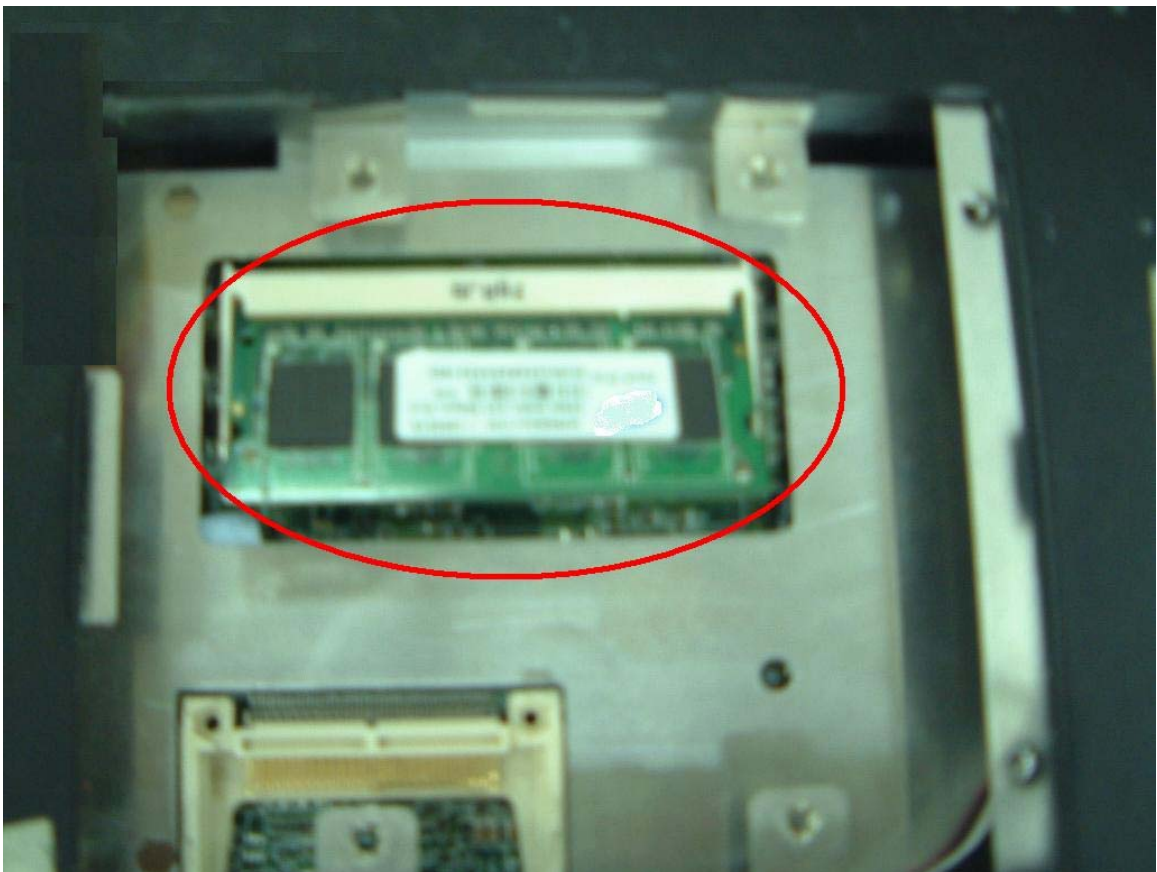
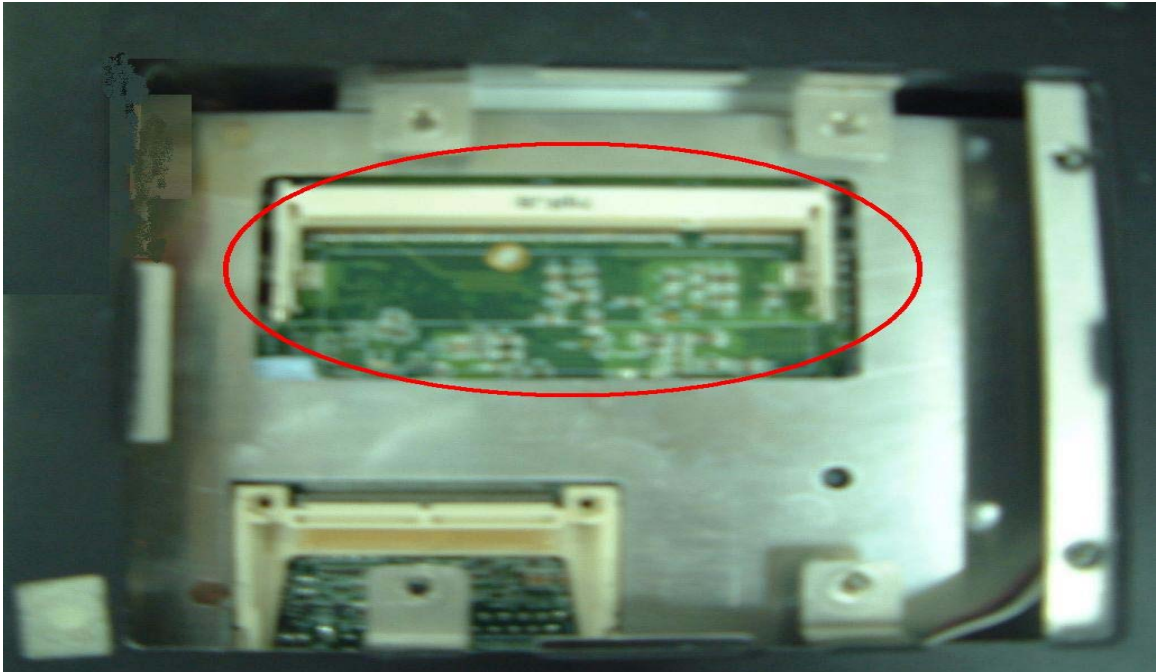


4. Lock the bottom door screws

2-3 Installing SO-DIMM

The following are procedure for install SO-DIMM

1. Remove HDD out from the system
2. Install the SO-DIMM into the SO-DIMM socket

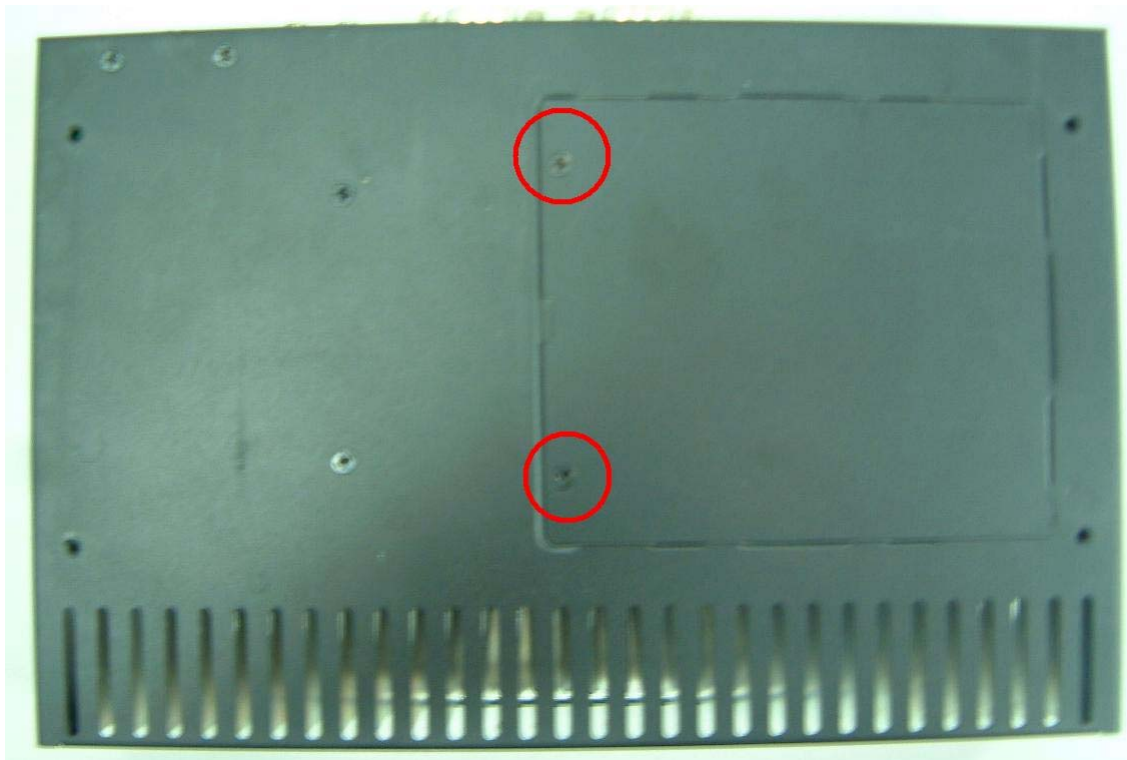


3. Re-Install HDD device
4. Lock the bottom case Door screws

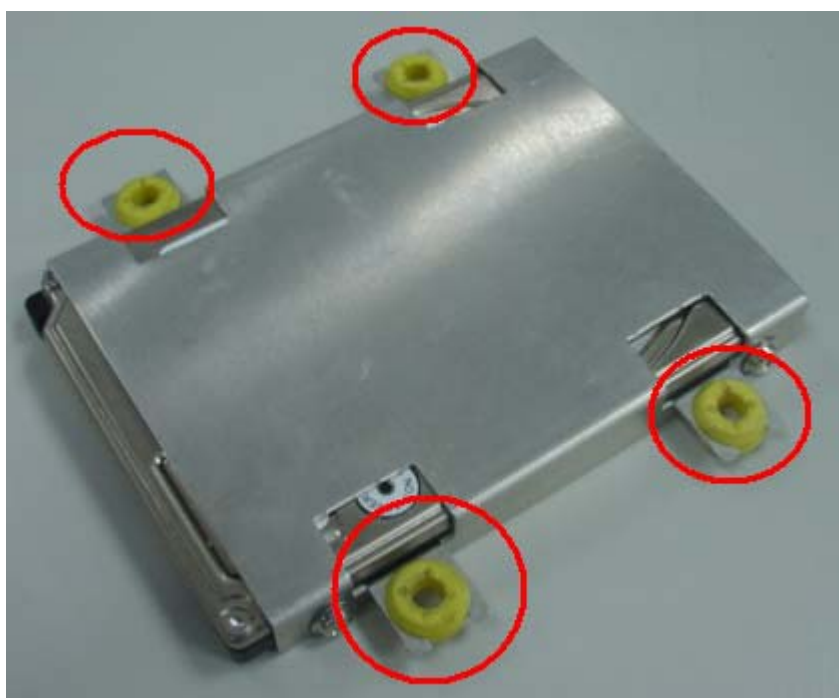
2-4 Installing the 2.5" SATA Hard Disk Drive(HDD)(Option)

The following are procedure for install 2.5"HDD device

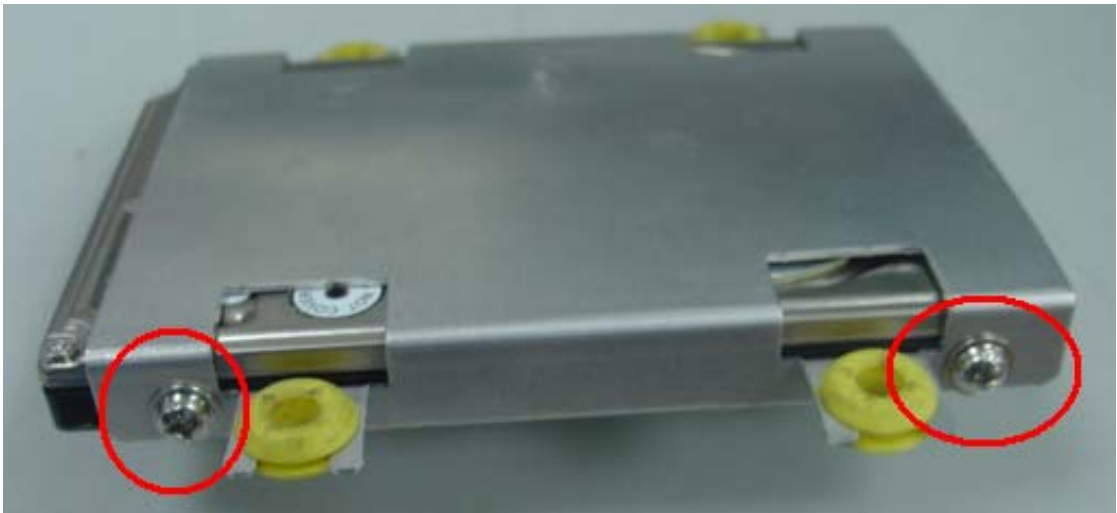
1. Remove bottom door screws (2pcs) in system bottom case



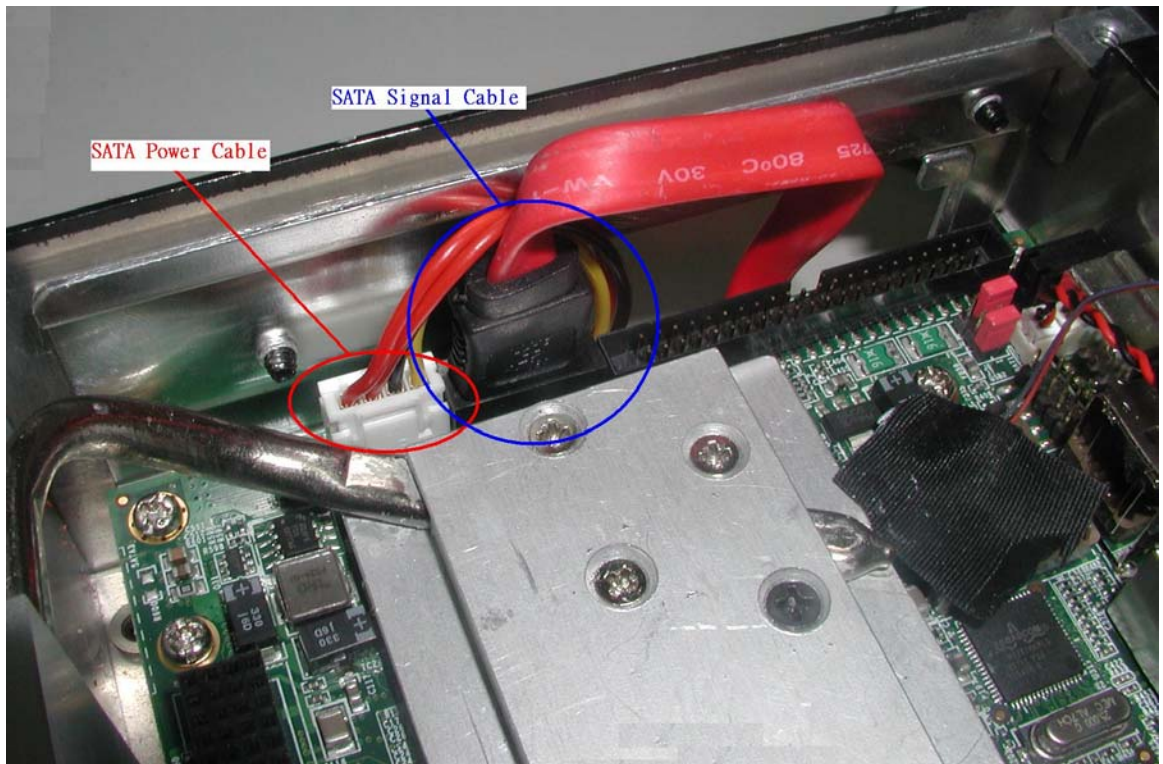
Insert the rubbers into the HDD bracket for each edges



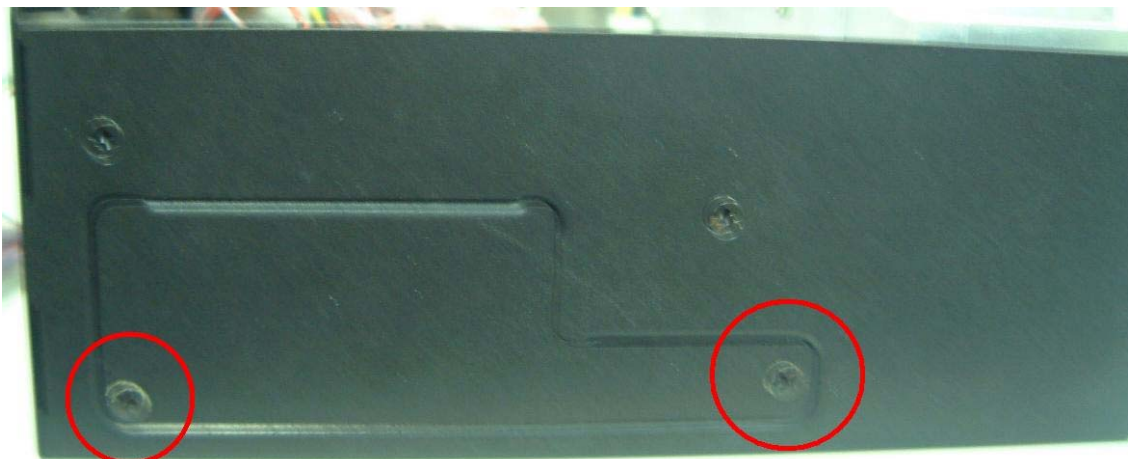
2. Lock HDD and Bracket together via screws (4pcs)



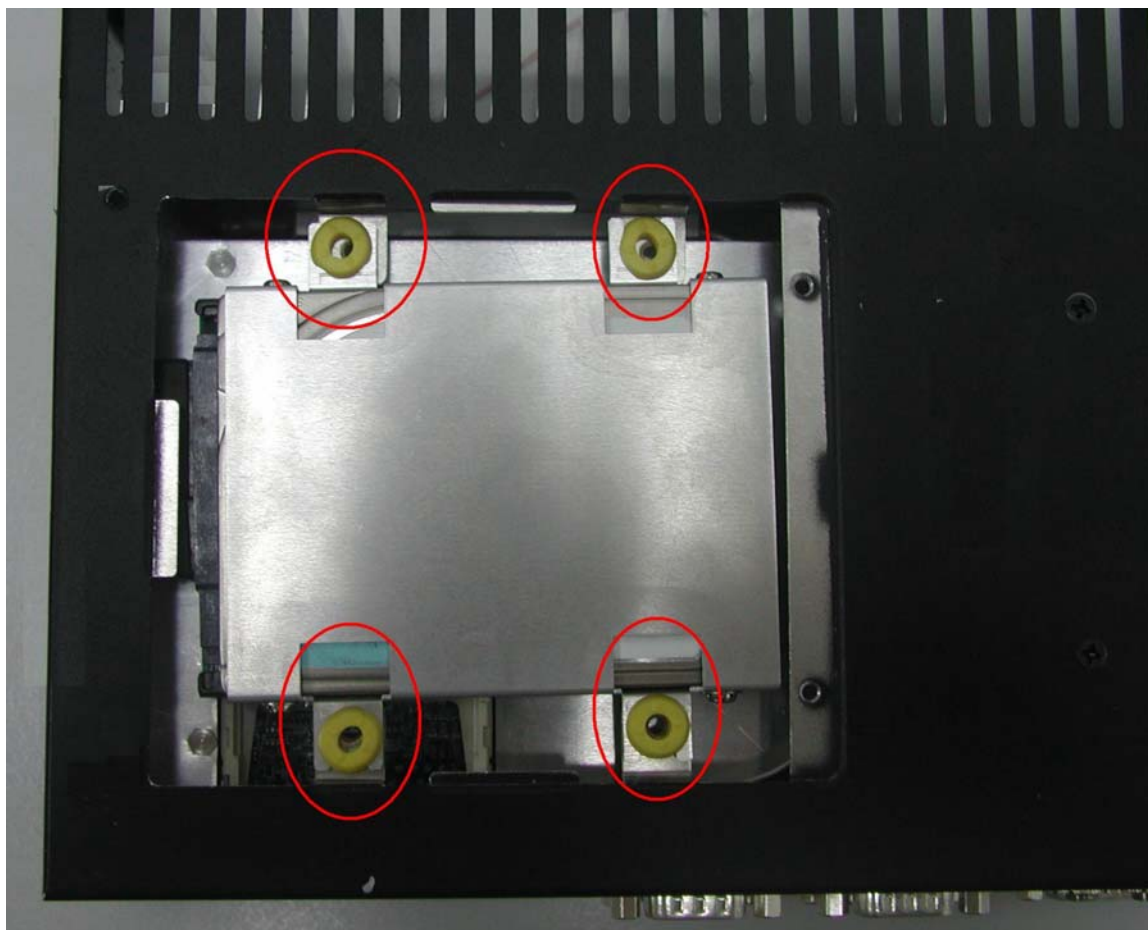
3. Plug the HDD cable into the power and signal header connectors in main board



4. Remove right side door screws (2pcs) in system bottom case



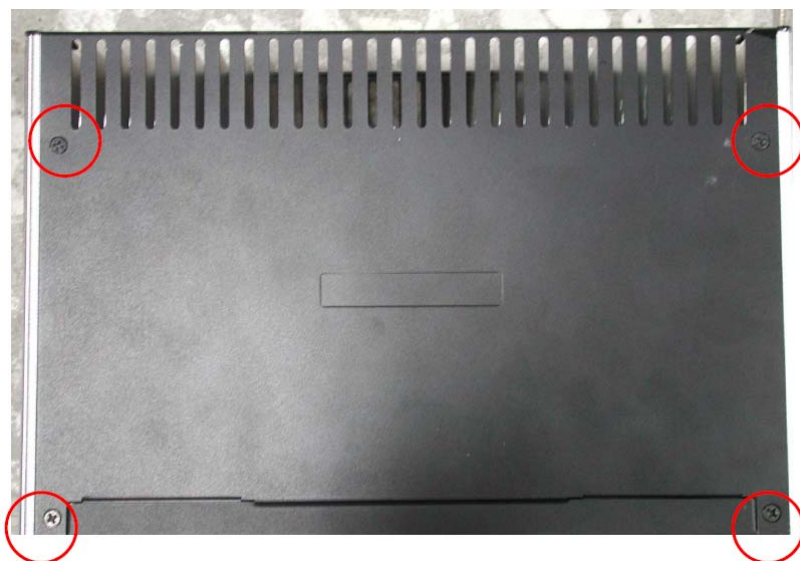
5. Route the HDD cable through the main board
6. Lock right side door screws (2pcs) in system bottom case
7. Lock HDD bracket to the top case by four screws



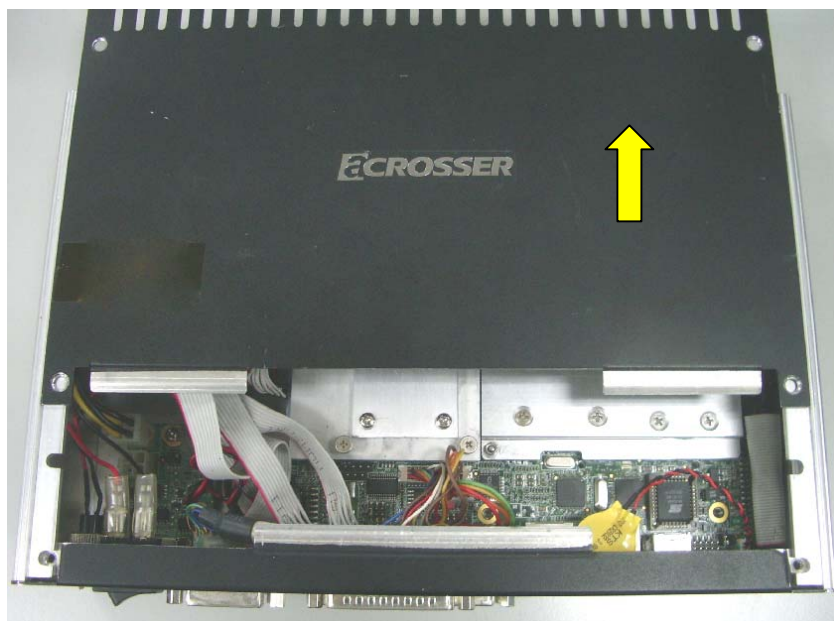
10. Insert HDD cable into the HDD module
11. Lock the door screws in system bottom case

2-5 Change from RS232 to RS422/485 by using Y-cable

1. Remove the 4 screws from top cover.



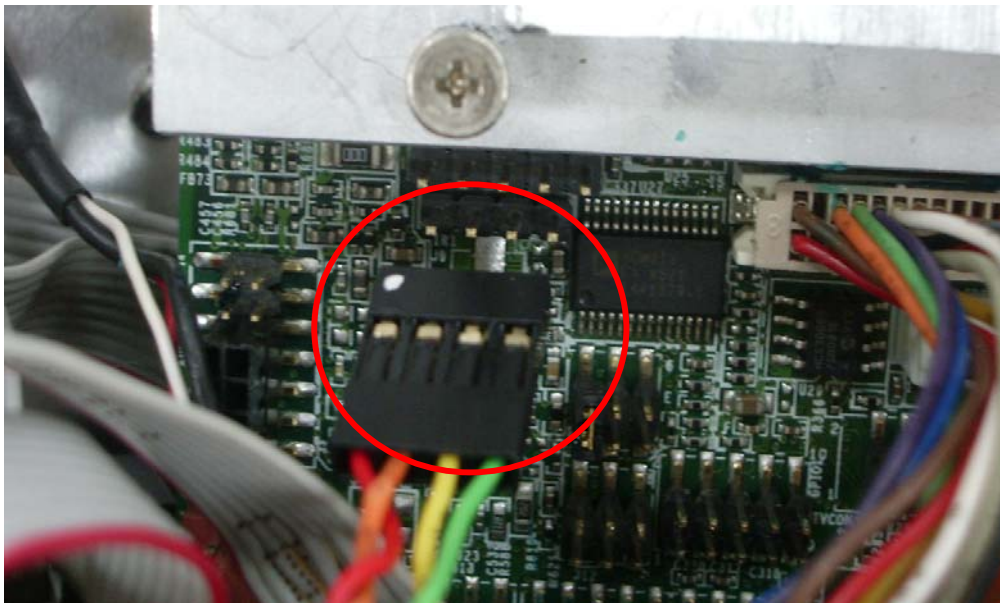
2. Slide the top cover in the direction indicated by the arrow and open it.



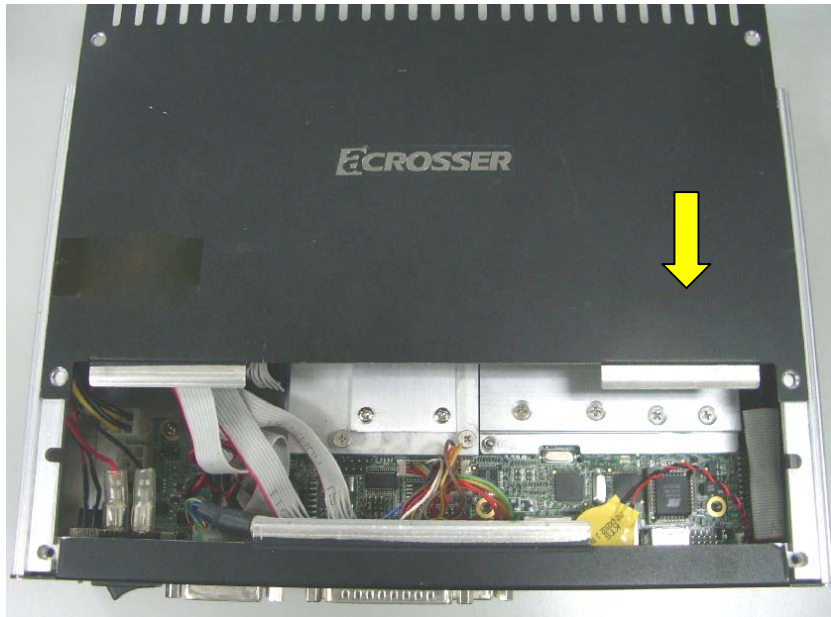
3. Pull off the RS232 connector of COM2 from Main board.(Appendix A)



4. Change by this terminal to connect with the RS422/RS485 pin header of main board.(Appendix A)



5. Slide the top cover and close it back to the machine.



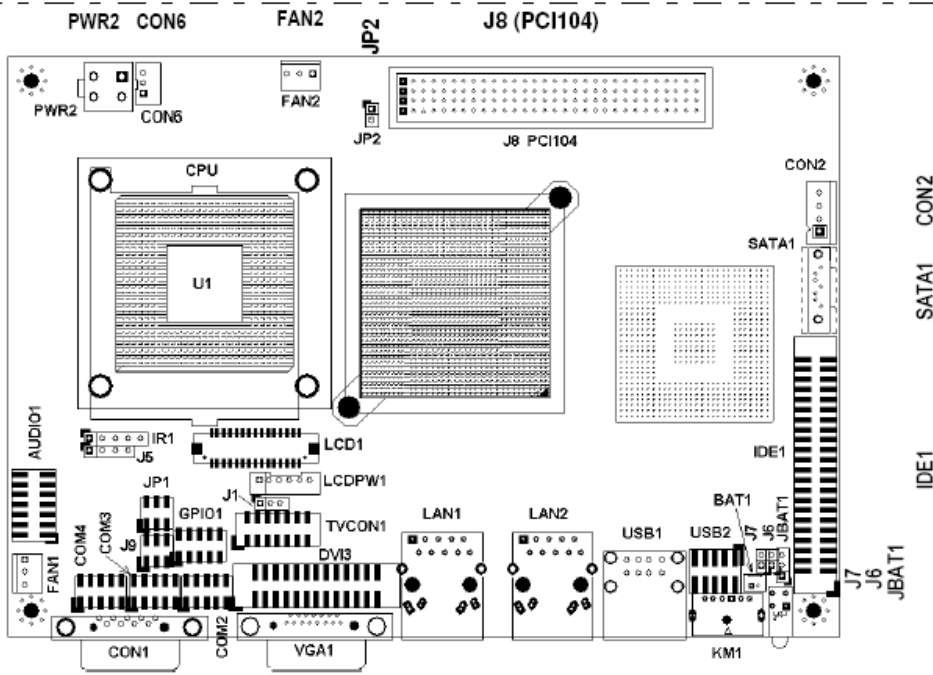
6. Tighten the original screws.



APPENDIX A

COM2 => RS232 (PIN1, Please refer to the AR-B5430 User's Manual)

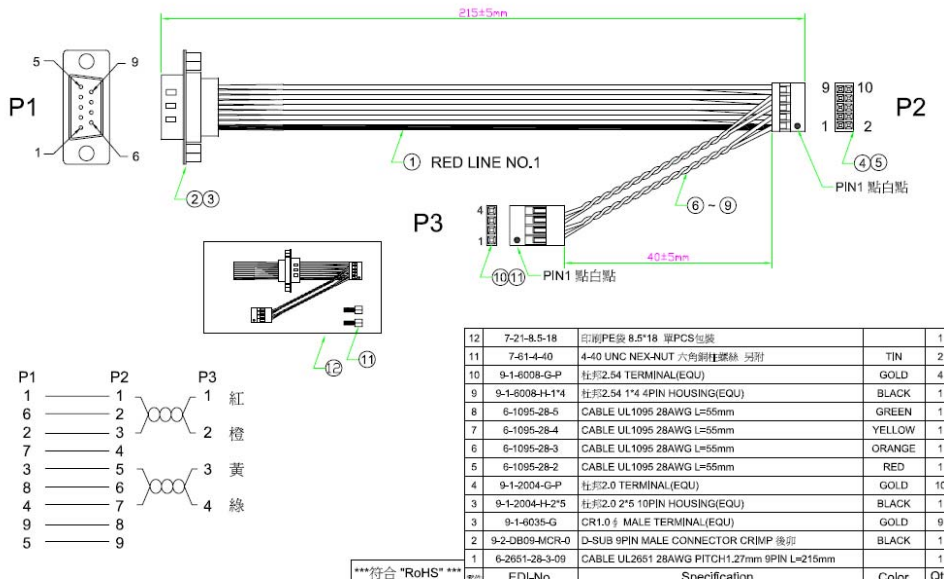
J5 => RS422/485(PIN1, Please refer to the AR-B5430 User's Manual)



AR-B5430 layout placement

APPENDIX B

Note: The white dot indicates the pin 1 on the cable.



Y CABLE