

Upgrade & Replacement

Follow the individual procedures in this chapter to perform the notebook's upgrade and replacement of various major components.

A sus A6000U Series Notebook is a 2 spindles product, which means there are less options for you to upgrade to. The key upgradeable and replaceable items include the CPU module, main memory module, HDD, ODD, and Wireless LAN module.

In order to avoid redundancy, please refer to chapters 3 and 4 of this manual for repeated and reused disassembly and assembly procedures, such as keyboard & heat sink replacement, which is used by several different procedures in this chapter. ***Be sure to follow the safety instructions described in Chapter 2 to safeguard the notebook against any potential damages.*** For any other components which you need to replace not covered in this chapter, please refer to Chapters 3 and 4 for detailed disassembly and assembly and perform necessary procedures accordingly.

This chapter includes the following items:

- CPU Upgrade
- Memory Upgrade
- HDD Upgrade
- ODD Replacement
- WLAN Replacement

CPU Upgrade

The A6000U Series Notebook comes standard with a Intel® Micro-FCPGA Socket on the motherboard, which means it can support all Intel Micro-FCPGA CPUs up to 2GMHz.

Upgrading CPU

1. Remove battery module

(a). Turn over the notebook.



(b). Slide the battery latch (No.1) to unlock.

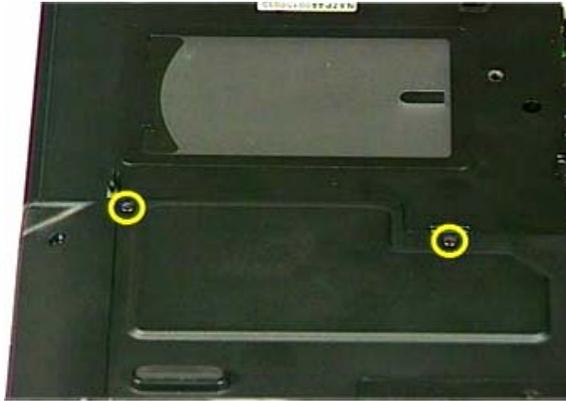


(c). Firmly slide the other latch (No.2) to the top and remove the battery.

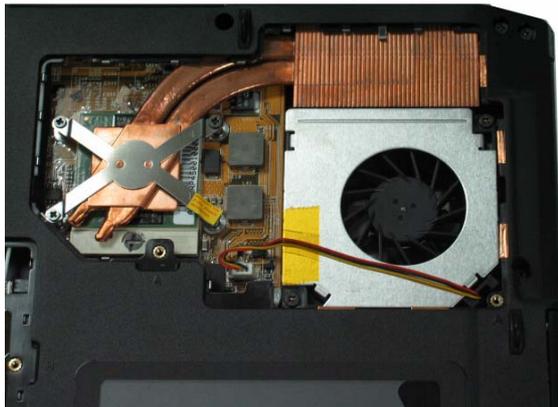


2. Remove CPU cover

- (a). Remove 2 screws on the Thermal Door,



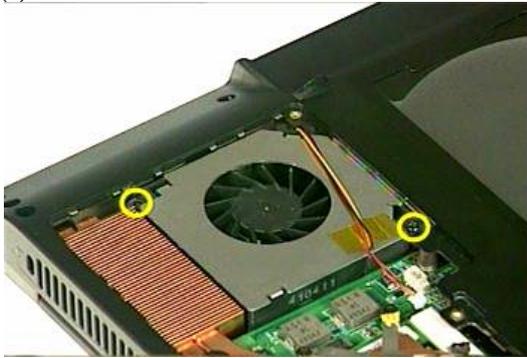
- (b). Lift the Thermal Door away.



- (c). Disconnect the cable on CPU module.



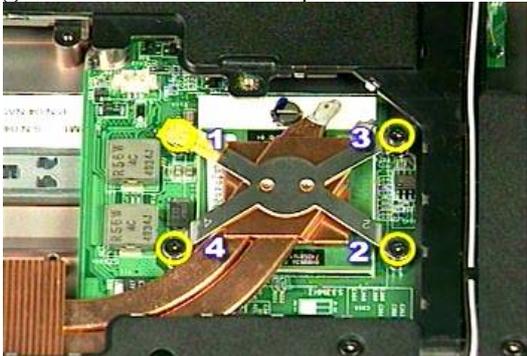
(d). Remove the 2 screws aside the CPU fan



(e). Lift the CPU FAN module away.



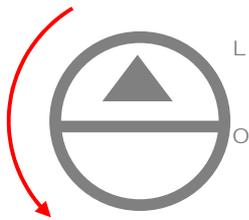
(f). Remove the 4 screws upon the CPU module (No.5 ~No.8)



(g). Take away the CPU heat sink module gently.



- (h). Turn the non-removable screw here 180 degrees counter-clockwise to loosen the CPU.



Unlock

- (i). Squeeze the vacuum handling pump and use it to lift the CPU away.

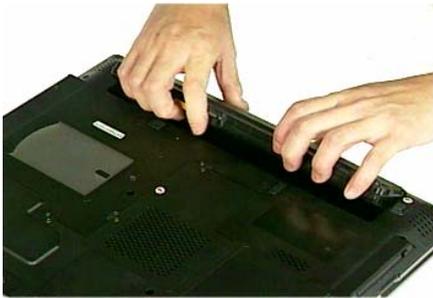


- Don't touch the die above the CPU.

3. Install battery module .

- (a). Install the Battery module

Slide the battery latch (No.1) to close.



BATTERY
MODULE
INSTALL

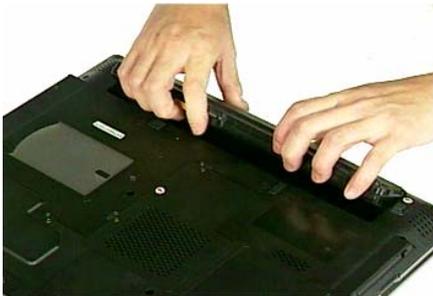
Memory Upgrade

The A6000U Series Notebook comes standard with one SO-DIMM in SO-DIMM socket. There is another expansion SO-DIMM socket for you to upgrade the total memory up to 1GB with two 512MB SO-DIMM.

Upgrading memory

1. Remove battery module.

- (a). Turn over the notebook.



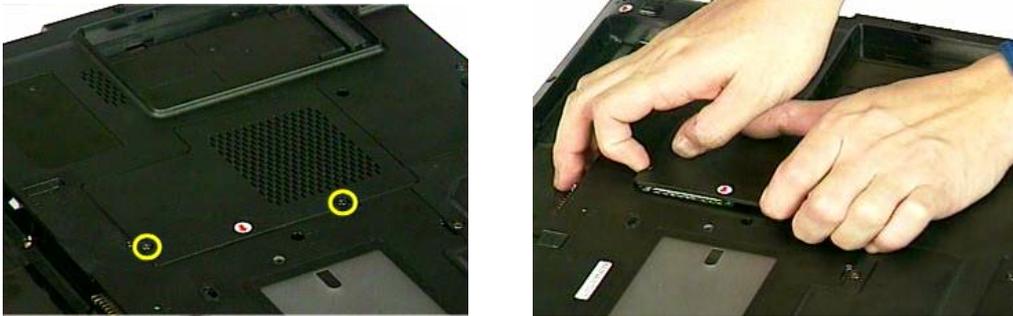
- (b). Slide the battery latch to unlock and Firmly slide the other latch to the top and remove the battery



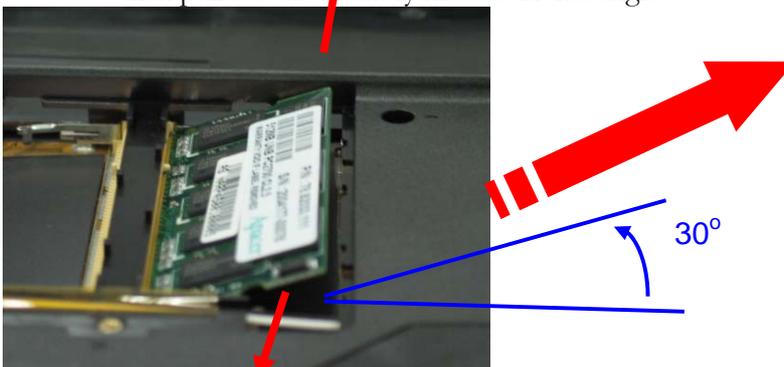
MEMORY

2. Remove Memory cover

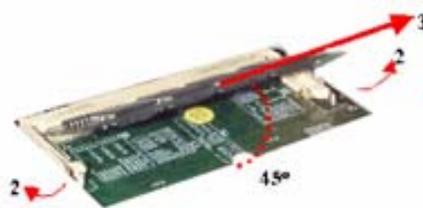
(a). Remove 2 screws on DDR Door (No.1, No.2) and Lift the DDR Door away



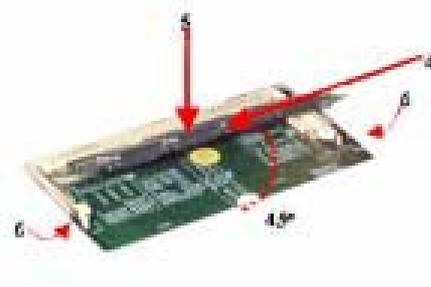
(b). Open the 2 latches aside, which will pop the memory module up to an angle of 30°, then pull out the memory module in that angle



3. If there is an existing memory, remove it by opening the latches (no. 2), which will pop the module up to an angle of 30 degree. Then pull out the memory module in that angle. (no. 3).



4. Insert new memory at the same an angle of 30 degree (no. 4), and press down (no. 5) until it clicks into the latches (no. 6).



5. Install Memory Cover

- (a). Insert the Memory module into the memory socket by an angle of 30 degree, and push down to latch the memory module.

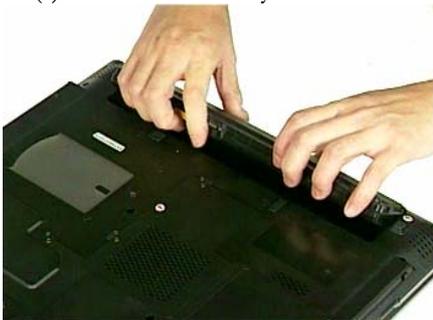


- (b). Place the Memory Cover, and note the left side should inset first and Secure 2 screws on DDR Door



6. Install battery module (p.4-28).

- (a). Install the Battery module



- (b) Slide the battery latch to close.



BATTERY
MODULE
INSTALL

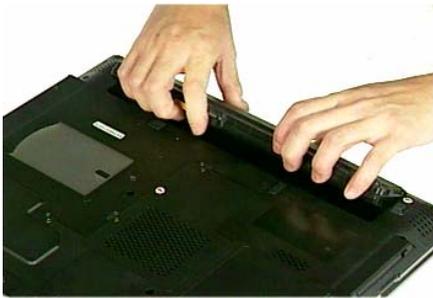
HDD Upgrade

The A6000U Series Notebook uses an industry-standard 2½” HDD with IDE interface. You can replace the HDD to any capacity of your choice within our approval and prior test.

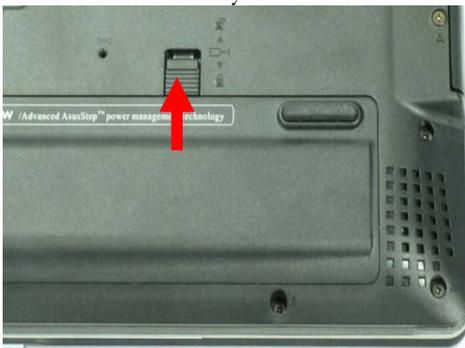
Replacing HDD

1. Remove battery module.

- (a). Turn over the notebook.



- (b). Slide the battery latch to unlock. Firmly slide the other latch to the top and remove the battery.



2. Remove HDD cover.

- (a). Release 1 screw from the HDD cover and Lift the HDD cover away



(b). Pull out the hard drive and lift the hard drive away by 2 hands.



3. Install a new HDD module.

(a). Insert the hard drive into the system and Secure 1 screw on the HDD cover



4. Install battery module.

(a) Install the Battery module

(b) Slide the battery latch to close.



ODD

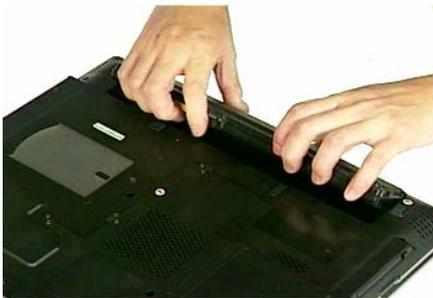
ODD Module Replacement

The A6000U Series Notebook can support DVD-ROM (8x DVD), COMBO (CD-R 24x/ CD-RW 24x / DVD-ROM 8x/ CD 24x), and DVD-Dual (DVD-R/RW: 4x/2x, DVD+R/RW: 4x/2.4x, CD-R/RW: 24x/ 10x, DVD: 8x, CD: 24x).

Replacing ODD

1. Remove battery module .

(a) Turn over the notebook.

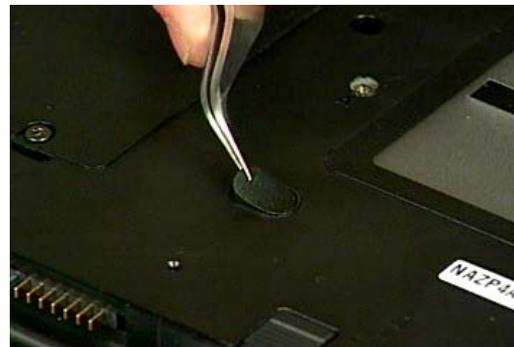


(b) Slide the battery latch to unlock. Firmly slide the other latch to the top and remove the battery.

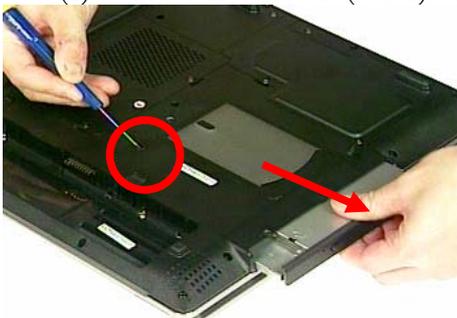


2. Remove original ODD module

(a). Remove 2 screws from the cover and remove the mylar



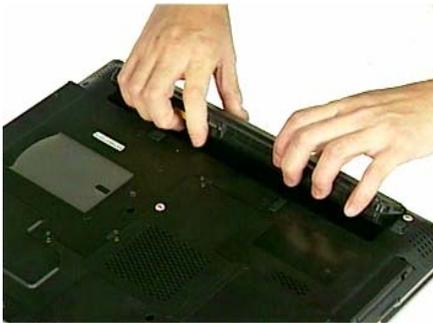
(b). Put the screwdriver (No. 3) here and push the ODD drive out from the NB.



3. Install battery module

(a) Install the Battery module

(b) Slide the battery latch to close.



WLAN Module Replacement

The A6000U Series Notebook has a factory option of a Wireless LAN.

Replacing WLAN module

1. Remove battery module .

(a) Turn over the notebook.

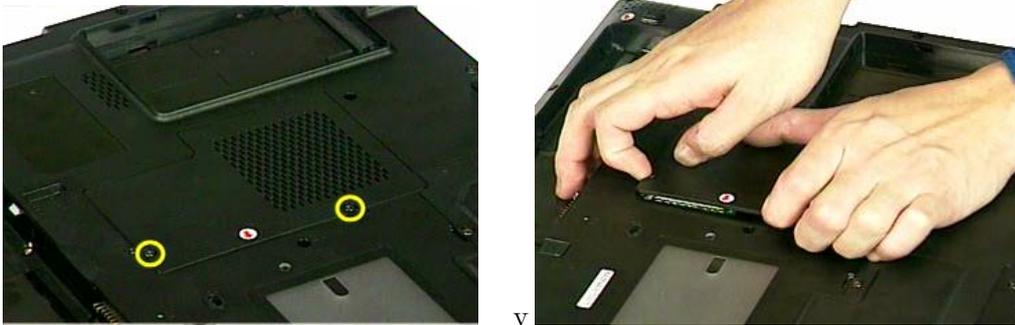


(c) Slide the battery latch to unlock. Firmly slide the other latch to the top and remove the battery.

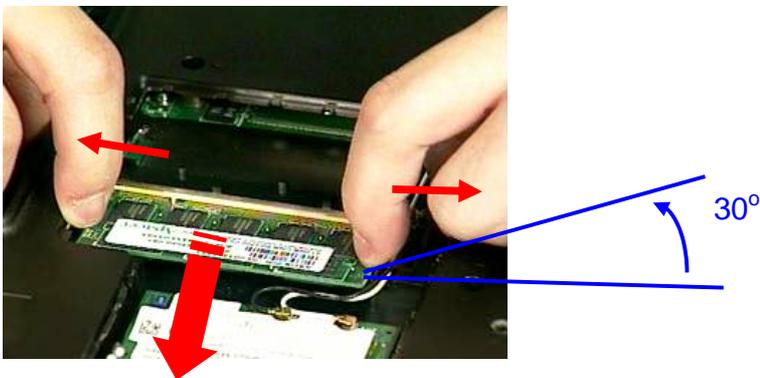


1. Remove Memory cover

(a). Remove 2 screws on DDR Door (b) Lift the DDR Door away

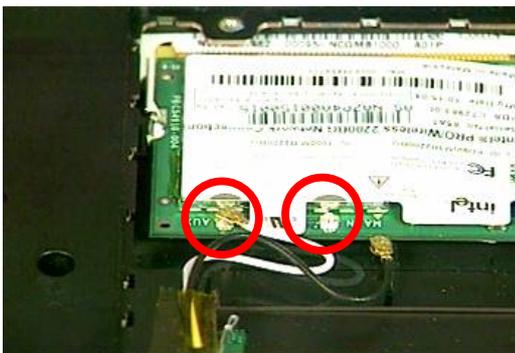


(b). Open the 2 latches aside, which will pop the memory module up to an angle of 30°, then pull out the memory module in that angle

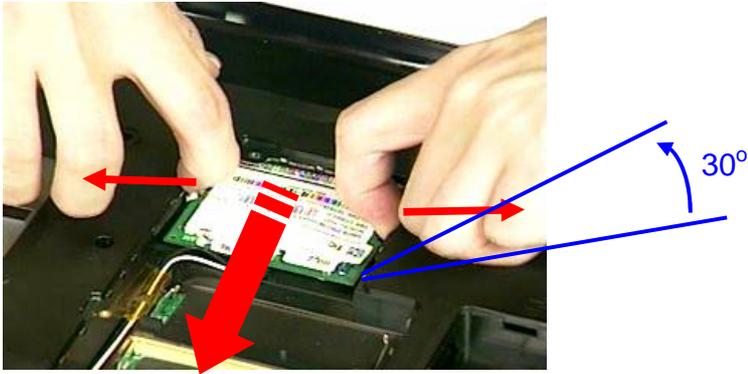


2. If there is an existing WLAN module, remove it by opening the latches, which will pop the module up to an angle of 30 degree just like memory module. Then pull out the WLAN module in that angle.

(a). Remove 2 Antenna cables from Wireless LAN Module.

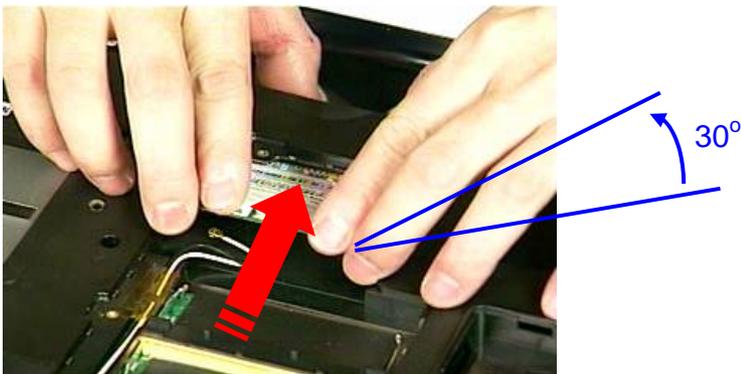


(b). Remove the Wireless LAN module by opening the 2 latches aside, which will pop the module up to an angle of 30°, then pull out the module in that angle just like memory module.



3. **Insert new WLAN module at the same an angle of 30 degree, and press down until it clicks into the latches.**

(a). Insert the Wireless LAN module into the socket by an angle of 30 degree, and push down to latch it.

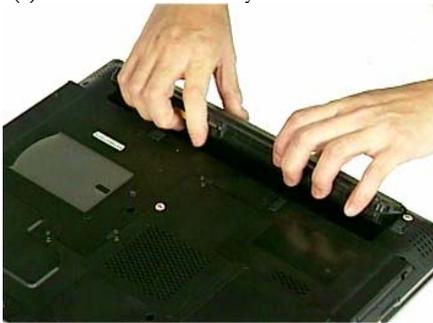


(b). Connect the black cable onto the connector of left side, and the white cable on right side (White cable: AUX, Black cable: MAIN), and then paste 1 pcs of tape to fix the cable.



4. Install battery module.

(a) Install the Battery module



(b) Slide the battery latch to close.

