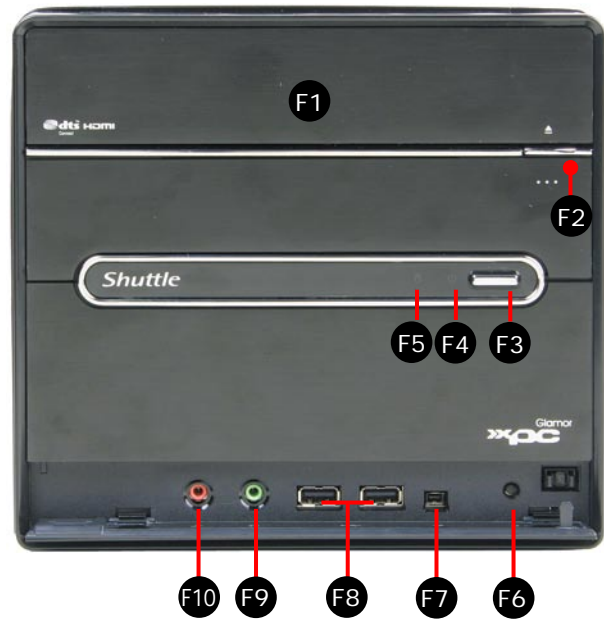


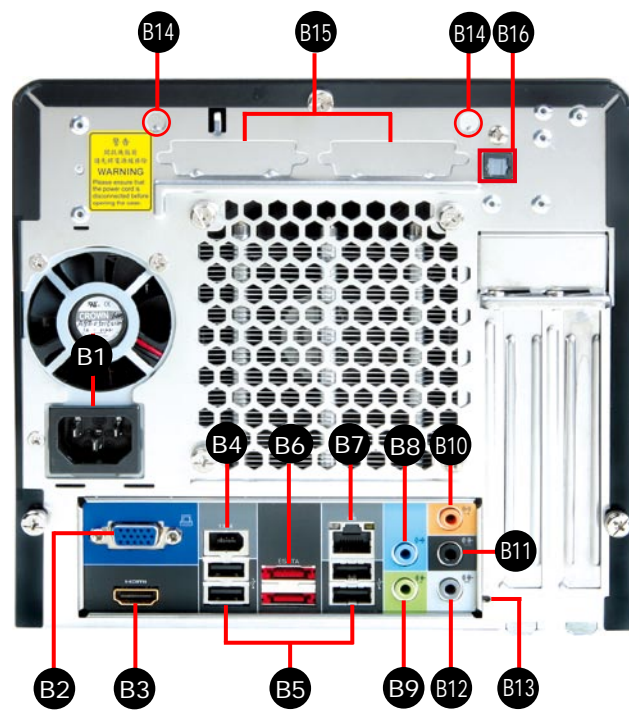
SN78SH7 Quick Guide 【English】

Front panel



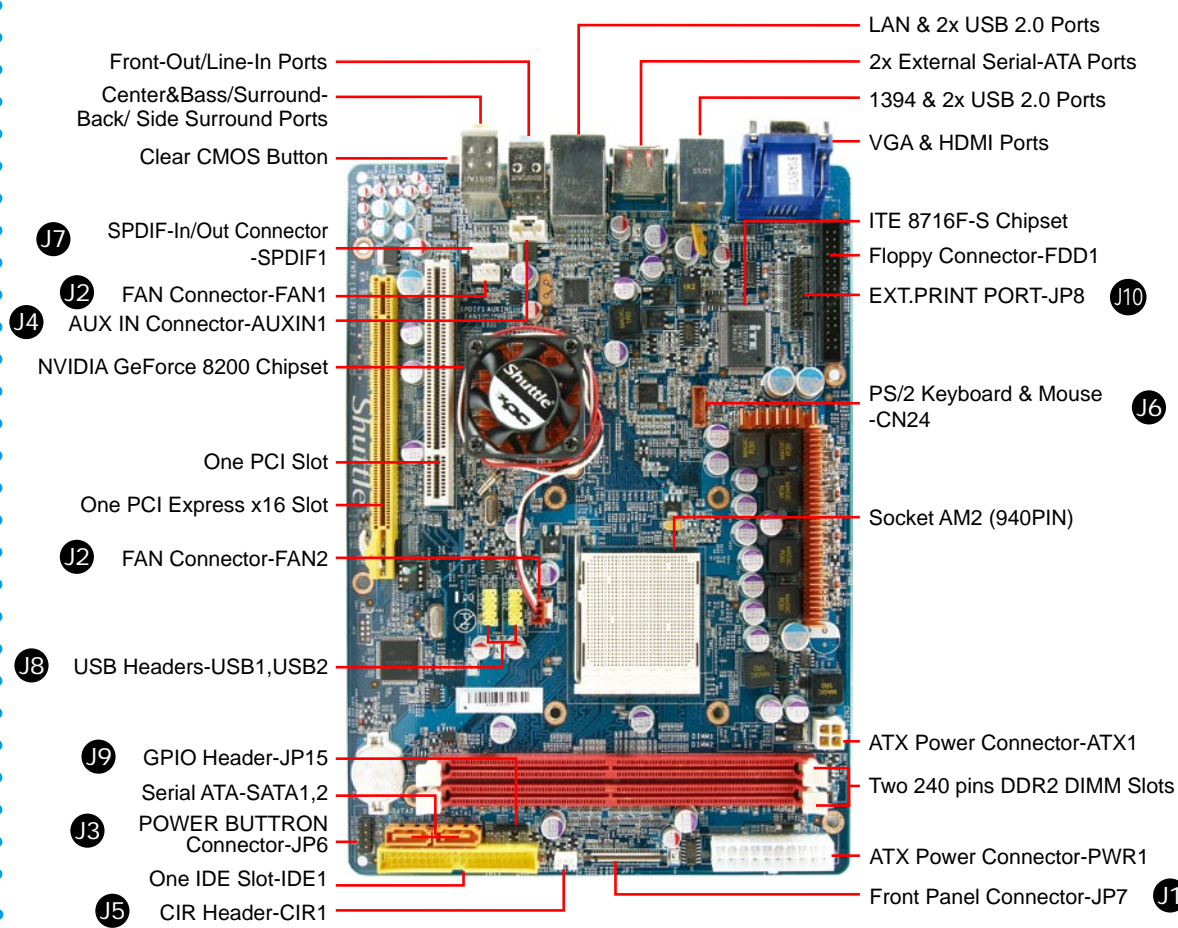
- F1. 5.25" Bay
- F2. Eject Button
- F3. Power switch
- F4. Power LED
- F5. HDD LED
- F6. Reset Button
- F7. Mini IEEE1394 port
- F8. USB2.0 ports
- F9. Headphone
- F10. Mic in

Back panel



- B1. AC Power Socket
- B2. VGA Port
- B3. HDMI Port
- B4. IEEE1394 Port
- B5. USB2.0 Ports
- B6. External Serial-ATA Ports
- B7. LAN Port
- B8. Line-In Port
- B9. Front-Out (L/R) Port
- B10. Center/Bass Port
- B11. Surround-Back (L/R) Port
- B12. Side Surr (L/R) Port
- B13. Clear CMOS Button
- B14. Wireless LAN Perforation
- B15. Parallel Port Perforation & PS/2 Port Kit
- B16. SPDIF Out Port

Motherboard illustration



Jumper Settings

- J1 Front Panel Connector**
-
- J2 Fan Connectors**
-
- J3 Power Button Connector**
- Pin Assignments (JP6):
- 1=HLED_PU
 - 2=GLEDA
 - 3=HLED
 - 4=GLEDB
 - 5=GND
 - 6=Power_SW
 - 7=Reset_SW
 - 8=GND
 - 9=NC
 - 10=KEY
- J4 AUX IN Connector**
- Pin Assignments (AUX-IN1):
- 1=AUX-IN Left
 - 2=Ground
 - 3=Ground
 - 4=AUX-IN Right
- J5 CIR Header**
- Pin Assignments (CIR1):
- 1=SIO_8716_PIN85
 - 2=5V_DUAL
 - 3=GND

- J6 PS/2 Keyboard & Mouse Port**
- Pin Assignments (CN24):
- 1=KDAT
 - 2=KCLK
 - 3=5V_DUAL
 - 4=GND
 - 5=MDAT
 - 6=MCLK
- J7 SPDIF-IN/Out Connector**
- Pin Assignments (SPDIF1):
- 1=SPDIF IN
 - 2=GND
 - 3=VCC
 - 4=GND
 - 5=VCC
 - 6=SPDIF OUT

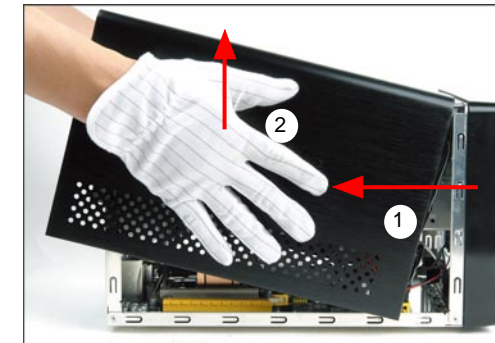
- J8 Extended USB Connectors**
- Pin Assignments (USB1, USB2):
- 1=USBPWR0
 - 2=USBPWR1
 - 3=USB_FP_P0-
 - 4=USB_FP_P1-
 - 5=USB_FP_P0+
 - 6=USB_FP_P1+
 - 7=GND
 - 8=GND
 - 9=NC
 - 10=GND
- J9 GPIO Header**
- Pin Assignments (JP15):
- 1=VCC
 - 2=NC
 - 3=VCC
 - 4=GPIO
 - 5=GPIO

- J10 Parallel Port Header-EXT. Printer Port**
- Pin Assignments:
- 1=PSTB
 - 2=PD0
 - 3=PD1
 - 4=PD2
 - 5=PD3
 - 6=PD4
 - 7=PD5
 - 8=PD6
 - 9=PD7
 - 10=P_ACK
 - 11=P_BUSY
 - 12=P_PE
 - 13=P_SLCT
 - 14=PAUTOFD
 - 15=P_ERR
 - 16=PINIT
 - 17=PSLCTIN
 - 18=GND
 - 19=GND
 - 20=GND
 - 21=GND
 - 22=GND
 - 23=GND
 - 24=GND
 - 25=GND
 - 26=KEY

A. Begin Installation

Note: For safety reasons, please ensure that the power cord is disconnected before opening the case.

1. Unscrew 3 thumbscrews of the chassis cover.
2. Slide the cover backwards and upwards.

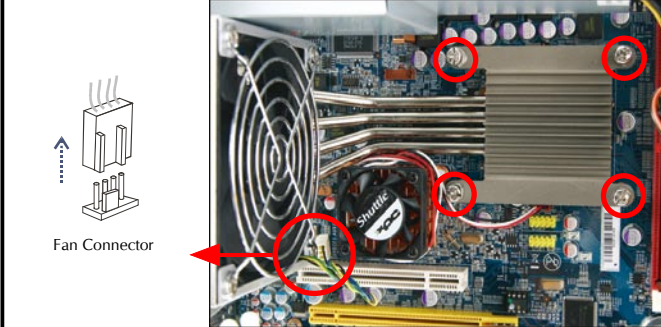


3. Unfasten the rack mount screws and remove the rack.

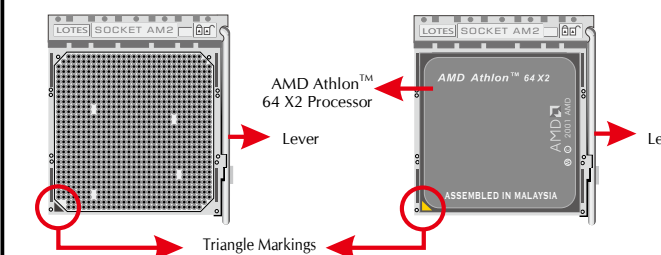


B. CPU and ICE Installation

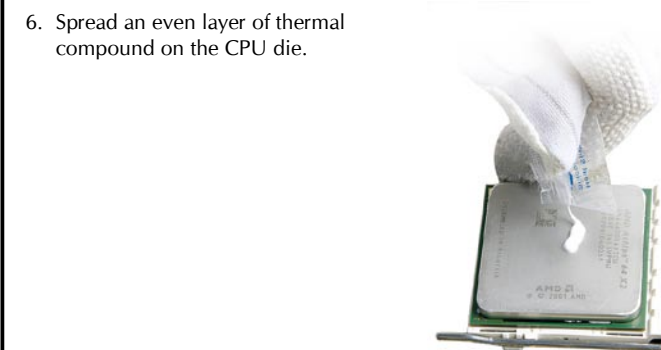
1. Unfasten the ICE fan thumbscrews on the back of the chassis and unplug the fan connector.
2. Unfasten the four ICE module attachment screws.



3. Remove the ICE module from the chassis and put it aside.
4. Pull up the CPU socket lever to 90-degrees.
5. Match the yellow triangle on a corner of the CPU with the triangle on the socket corner and gently insert the CPU into the socket and press down the CPU socket lever.

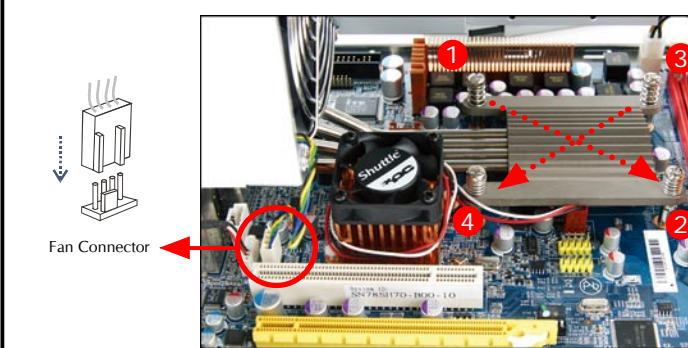


Note: Failure to correctly align the CPU and socket can result in damage to the CPU.



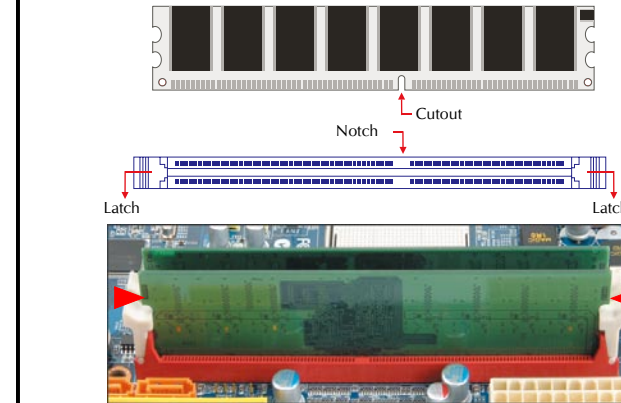
Note: Please do not use too much Heatsink compound.

7. Screw the ICE module to the mainboard. Note to press down on the opposite diagonal corner while tightening each screw.
8. Connect the fan connector.



C. DDR2 Installation

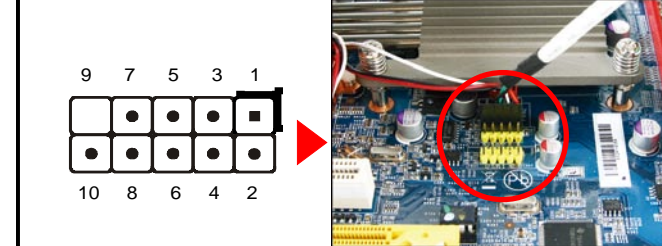
1. Unlock the DIMM latch.
2. Align the DDR2 module's cutout with the DIMM slot notch. Slide the DDR2 module into the DIMM slot.
3. Check that the latches are closed, and the DDR2 modules are firmly installed.



Note: Repeat to install additional DDR2 modules if desired.

D. Cable and Rack Installation

1. Plug the card reader USB cable to the USB header located on the motherboard.

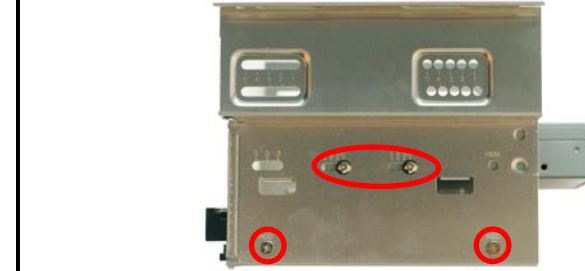


Note: Please make sure the red cable is on Pin 1 or Pin 2.

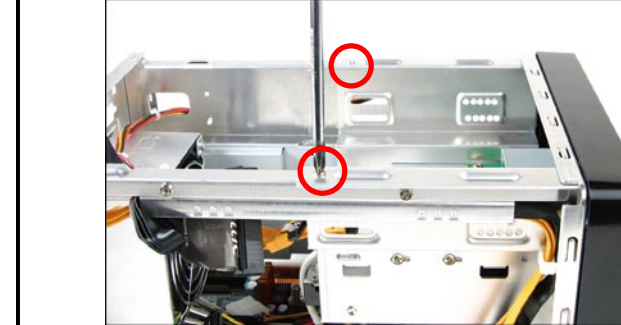
2. Loosen the purse lock and separate the HDD power cable.



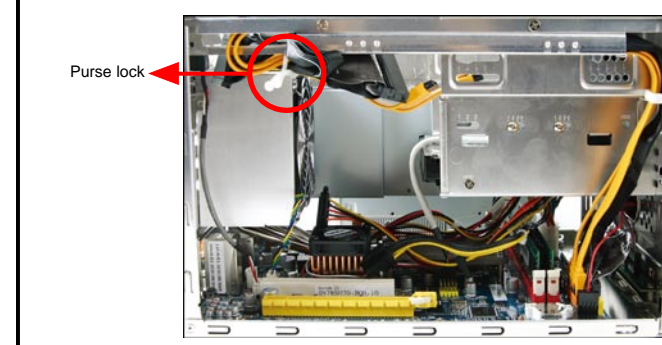
3. Place the HDD/Card reader in the rack and secure with screws from the side.



4. Place the rack in the chassis and refasten the rack.

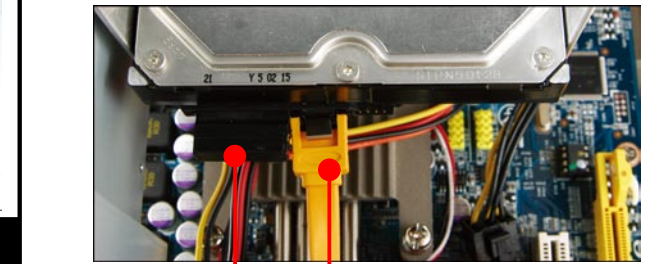


5. Loosen the purse lock and separate the Optical Drive power cable.



E. Peripheral Installation

1. Connect the Serial ATA and power cables to the HDD.



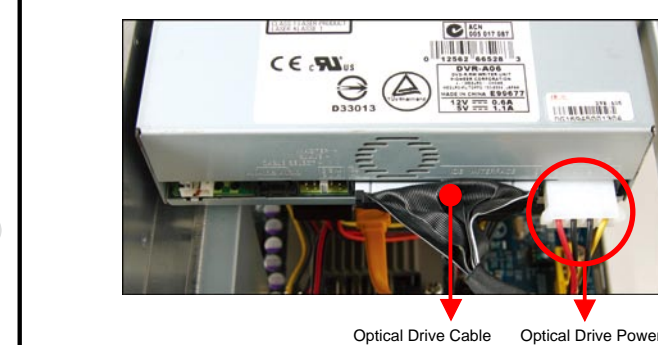
2. Connect the card reader USB cable to the Card Reader.



3. Slide the optical drive into the chassis.
4. Fasten the four side screws.



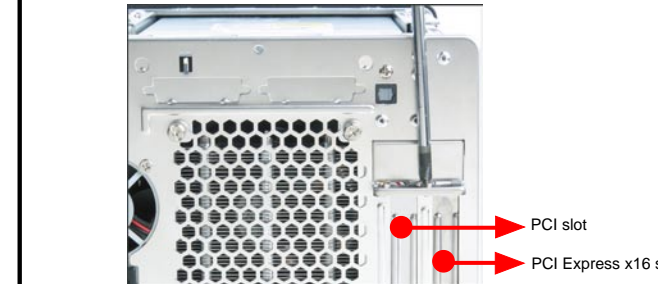
5. Plug the optical drive cable and power cable into the optical drive.



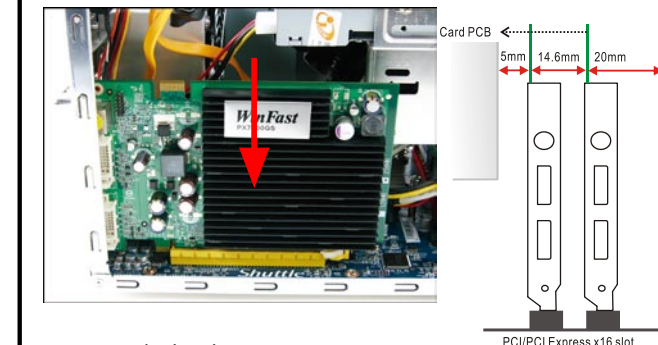
F. Accessories Installation

1. Unfasten expansion slot bracket screws. Remove the back panel bracket and put the bracket aside.

Note: The maximum size acceptable for display card is 230mm x 98mm x 18mm



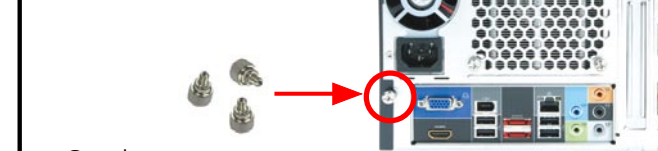
2. Install the PCI/PCI Express x16 card into the PCI/PCI Express x16 slot.



3. Secure the bracket.

G. Complete

1. Replace the cover and refasten the thumbscrews.
2. Take out the two front feet from the accessory box.
3. Screw the front feet to the base of the chassis.



4. Complete.

Note: Please load the optimized BIOS values.