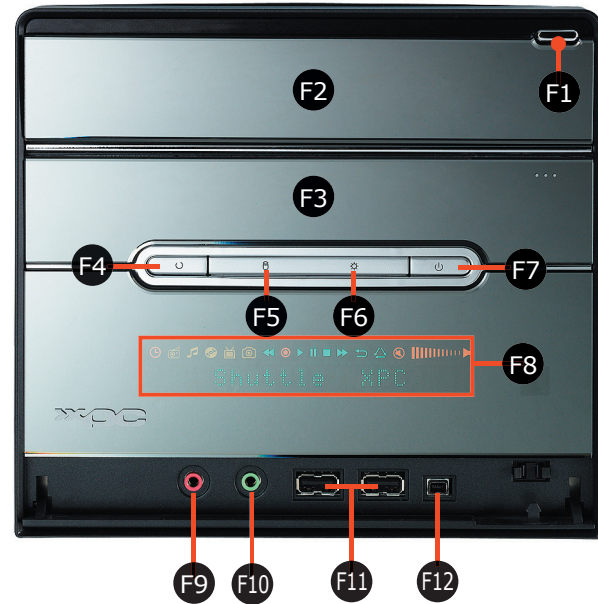


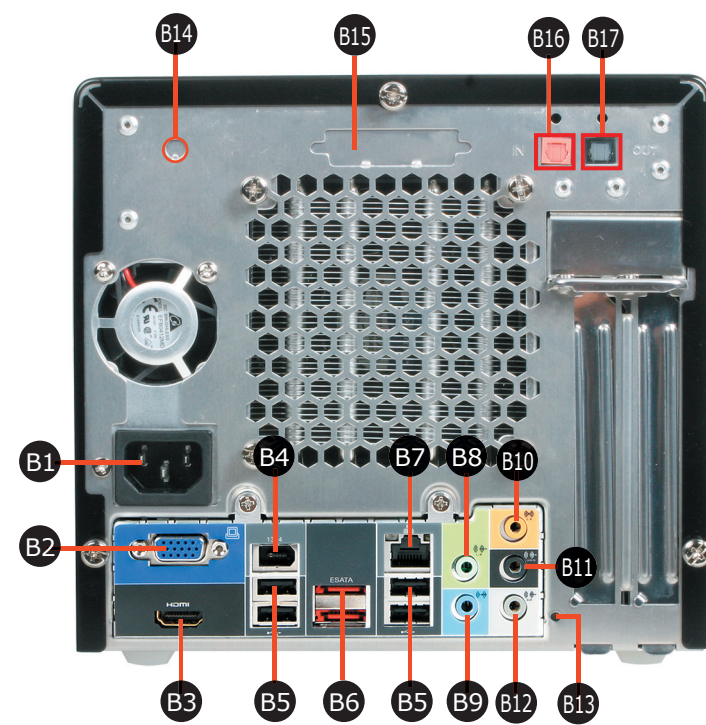
# SG33G5/G5M Quick Guide 【English】

## Front panel



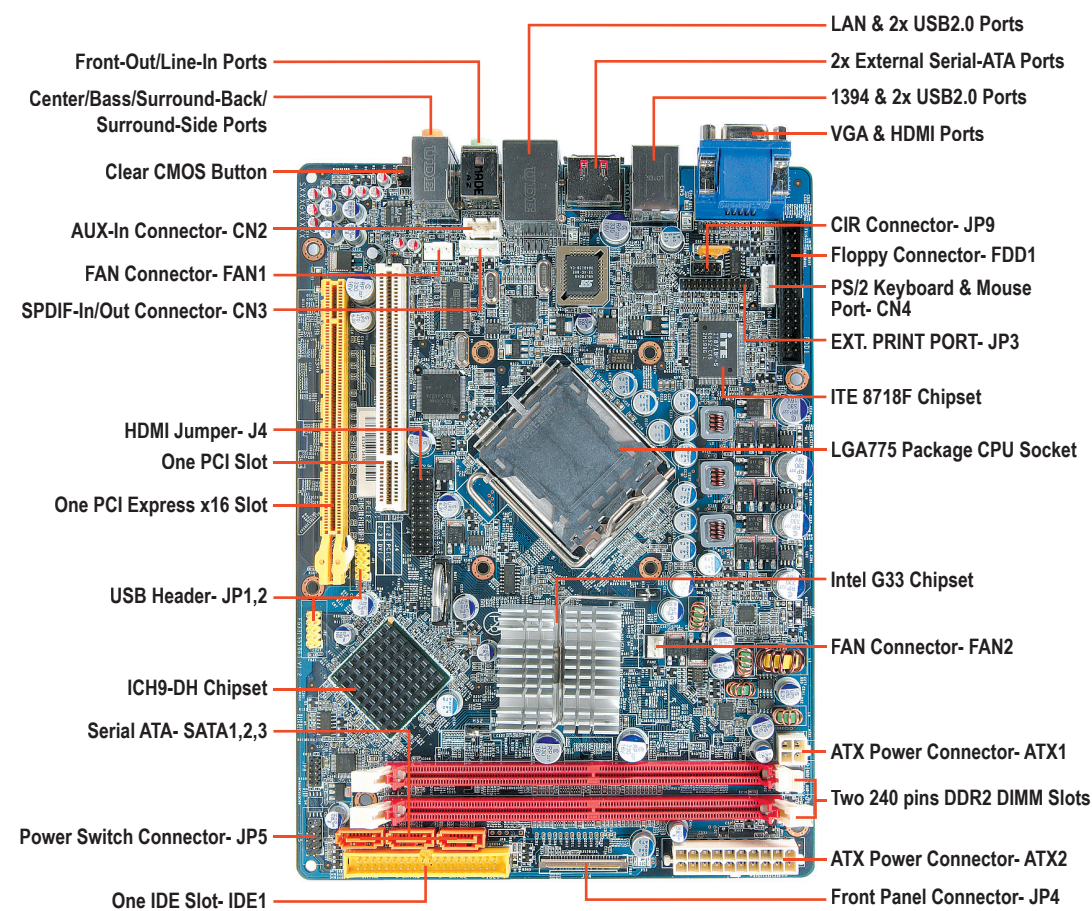
- F1. Eject Button
- F2. 5.25" Bay
- F3. 3.5" Bay
- F4. Reset
- F5. HDD LED
- F6. Power LED
- F7. Power switch
- F8. Versatile Front-panel Display (VFD) (SG33G5M only)
- F9. Mic
- F10. Headphone
- F11. USB2.0 ports
- F12. Mini IEEE1394 port

## Back panel



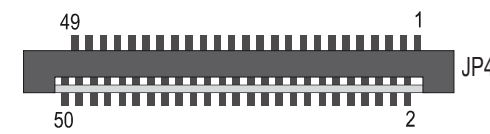
- B1. AC Power Socket
- B2. VGA Port
- B3. HDMI Port
- B4. IEEE1394 Port
- B5. USB2.0 Ports
- B6. External Serial-ATA Ports
- B7. LAN Port
- B8. Front-Out (L/R) Port
- B9. Line-In Port
- B10. Center/Bass Port
- B11. Surround-Back (L/R) Port
- B12. Side Surr (L/R) Port
- B13. Clear CMOS Button
- B14. Wireless LAN Perforation
- B15. Parallel Port Perforation
- B16. SPDIF In Port (Option)
- B17. SPDIF Out Port

## Mainboard illustration

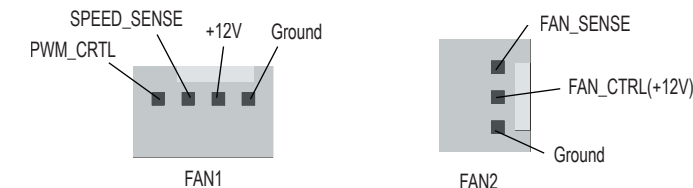


## Jumper Settings

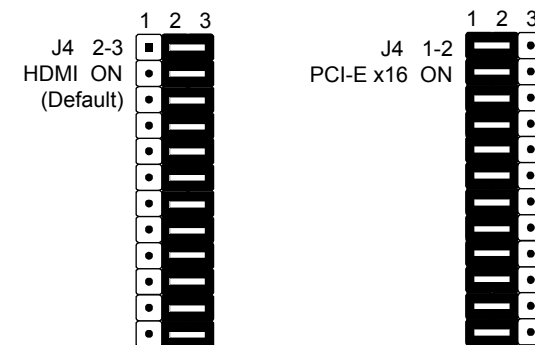
### Front Panel Connector



### Fan Connectors

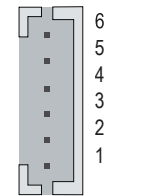


### Select HDMI or PCI-Express X16 model (Default HDMI)



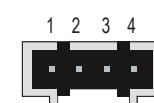
### PS/2 Keyboard & Mouse Port

- Pin Assignments (CN4):
- 1=KDAT
  - 2=KCLK
  - 3=5V\_DUAL
  - 4=GND
  - 5=MDAT
  - 6=MCLK



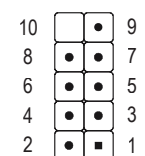
### AUX-IN Connector

- Pin Assignments (CN2):
- 1=AUX-in Left
  - 2=Ground
  - 3=Ground
  - 4=AUX-in Right



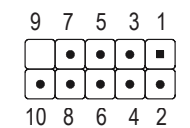
### Power Switch Connector

- Pin Assignments (JP5):
- 1=HDLEDPWR
  - 2=GRNLEDA
  - 3=HD\_LED
  - 4=GRNLEDB
  - 5=BT\_SEL
  - 6=-PWRSW
  - 7=GND
  - 8=GND
  - 9=KEY
  - 10=NC



### CIR Connector

- Pin Assignments (JP9):
- 1=8718\_PIN26
  - 2=5V\_DUAL
  - 3=PIN30\_CIRTX
  - 4=PIN85\_CIRRX
  - 5=8718\_PIN27
  - 6=8718\_PIN20
  - 7=8718\_PIN21
  - 8=8718\_PIN23
  - 9=NC
  - 10=GND



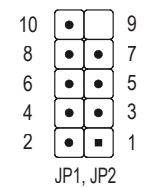
### SPDIF-IN/Out Connector

- Pin Assignments (CN3):
- 1=SPDIF IN
  - 2=GND
  - 3=VCC
  - 4=GND
  - 5=VCC
  - 6=SPDIF OUT



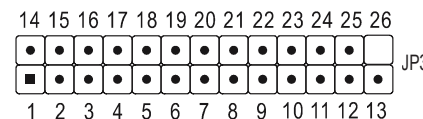
### Extended USB Connectors

- Pin Assignments (JP1):
- 1=USBPWR4
  - 2=USBPWR4
  - 3=USBP11N
  - 4=USBP8N
  - 5=USBP11P
  - 6=USBP8P
  - 7=GND
  - 8=GND
  - 9=NC
  - 10=KEY
- Pin Assignments (JP2):
- 1=USBPWR3
  - 2=USBPWR3
  - 3=USBP5N
  - 4=USBP1N
  - 5=USBP5P
  - 6=USBP1P
  - 7=GND
  - 8=GND
  - 9=NC
  - 10=KEY



### Parallel Port Header-EXT. Printer Port

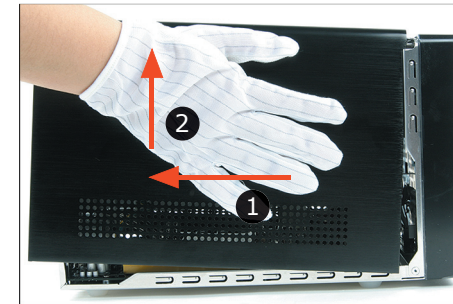
- Pin Assignments:
- 1=PSTB
  - 2=PD0
  - 3=PD1
  - 4=PD2
  - 5=PD3
  - 6=PD4
  - 7=PD5
  - 8=PD6
  - 9=PD7
  - 10=P\_ACK
  - 11=P\_BUSY
  - 12=P\_PE
  - 13=P\_SLCT
  - 14=PAUTOFD
  - 15=P\_ERR
  - 16=PINIT
  - 17=PSLCTIN
  - 18=GND
  - 19=GND
  - 20=GND
  - 21=GND
  - 22=GND
  - 23=GND
  - 24=GND
  - 25=GND
  - 26=KEY
- Pin Assignments (JP3):
- 14 15 16 17 18 19 20 21 22 23 24 25 26
  - 1 2 3 4 5 6 7 8 9 10 11 12 13



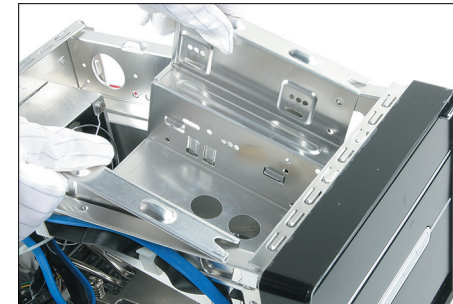
## A. Begin Installation

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.

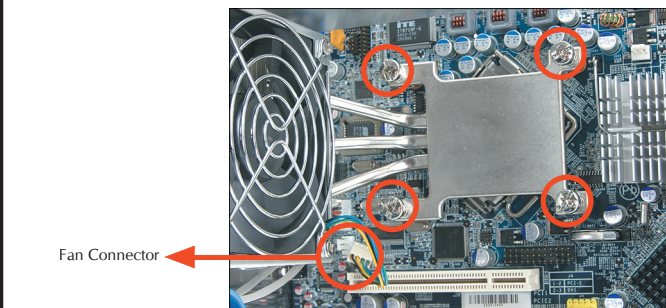


3. Unfasten the rack mount screws and remove the rack.



## 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.

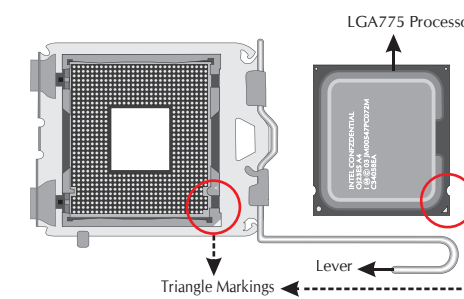


3. Remove the ICE module from the chassis and put it aside.

Note: This 775 pin socket is fragile and easily damaged. Always use extreme care when installing a CPU and limit the number of times that you remove or change the CPU.

4. Remove the protective cover. First unlock and raise the socket lever, then open the load plate (be careful not to touch the socket pins during this process).

5. Orientate the CPU and socket, aligning the yellow triangle on the corner of the CPU with the triangle on the socket. Making sure the CPU is perfectly horizontal, insert the CPU into the socket. Close the load plate, lower the CPU socket lever and lock in place.



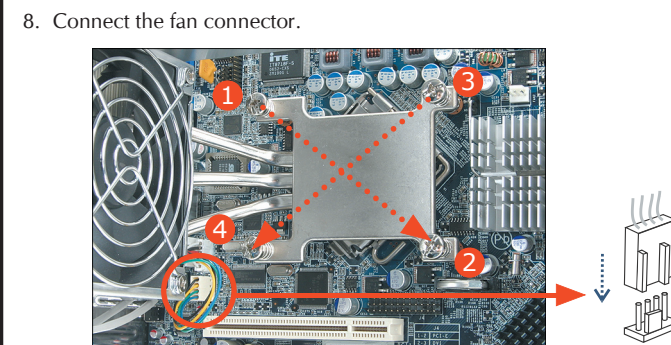
Note: Failure to correctly align the CPU and socket can result in damage to the CPU.

6. Spread an even layer of thermal compound on the CPU die.



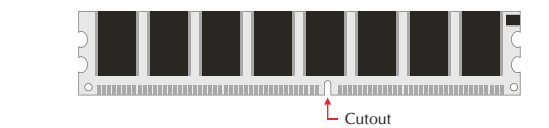
Note: Please do not use too much Heatsink compound.

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



## C. DDR2 Installation

1. Fasten the Smart Fan to the chassis with the 4 thumbscrews.
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.

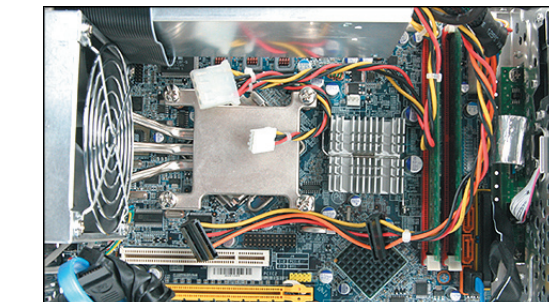
Note: Repeat to install additional DDR2 modules if desired.

## D. Cable and Rack Installation

1. Plug the FDD cable in the FDD1 header.



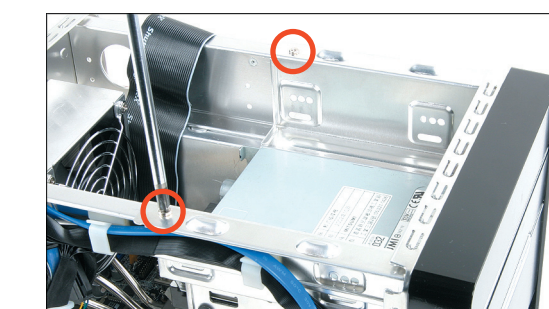
2. Fold the FDD cable under the power supply.
3. Fix the FDD cable to the power and chassis rail with the supplied adhesive tape.
4. Loosen the purse lock and separate the HDD/FDD power cable.



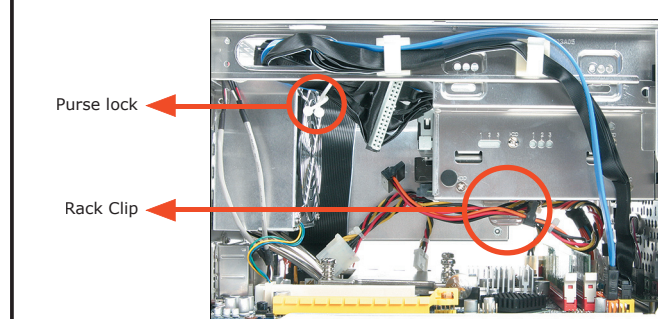
5. Place the HDD/FDD in the rack and secure with screws from the side.



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

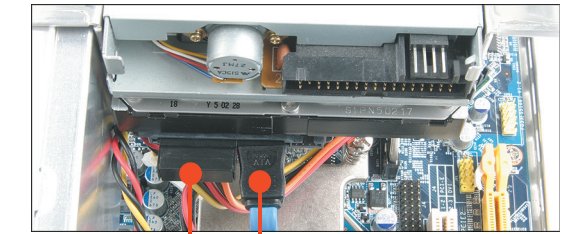


7. Place the power cables in the rack clip located on the underside of the rack mount then loosen the purse lock and separate the Optical Drive power cable.

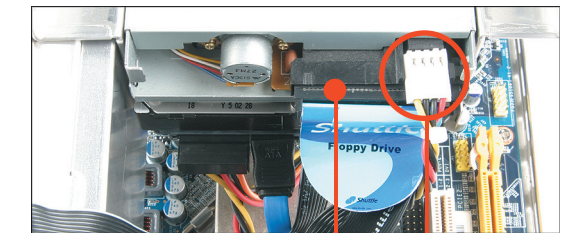


## E. Peripheral Installation

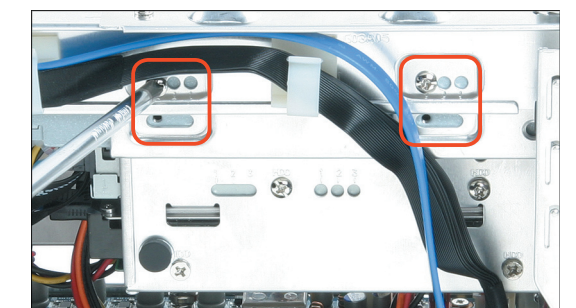
1. Connect the Serial ATA and power cables to the HDD.



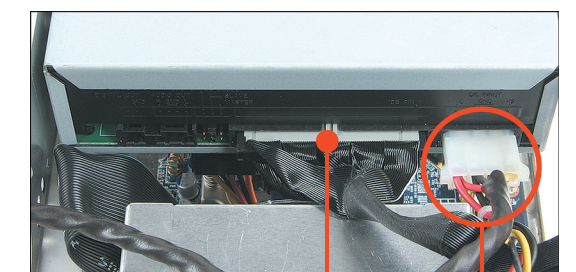
2. Connect the FDD and power cables to the Floppy drive.



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

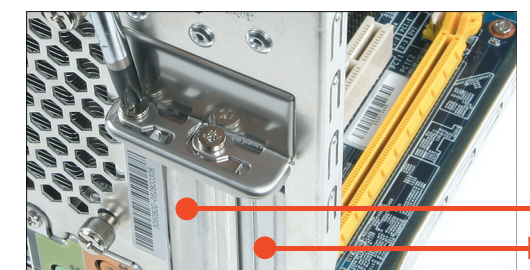


5. Plug the optical drive cable and power cable into the optical drive.

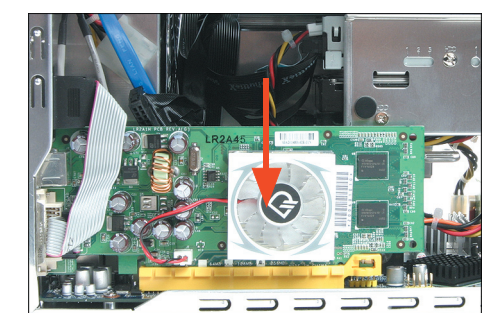


## F. Accessories Installation

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



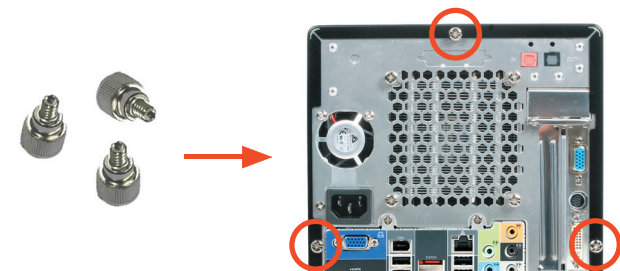
2. Install the PCI/PCI Express x16 card into the PCI/PCI Express x16 slot.



3. Secure the bracket.

## G. Complete

1. Replace the cover and refasten the thumbscrews.



2. Complete.

Note: Please load the optimized BIOS values.