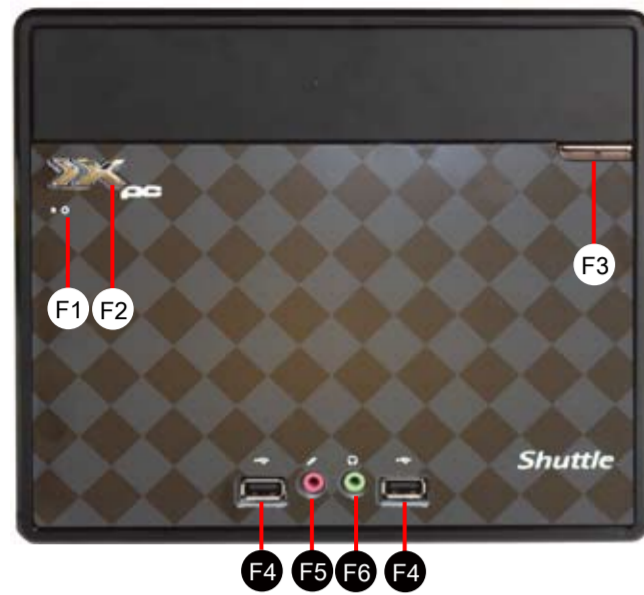


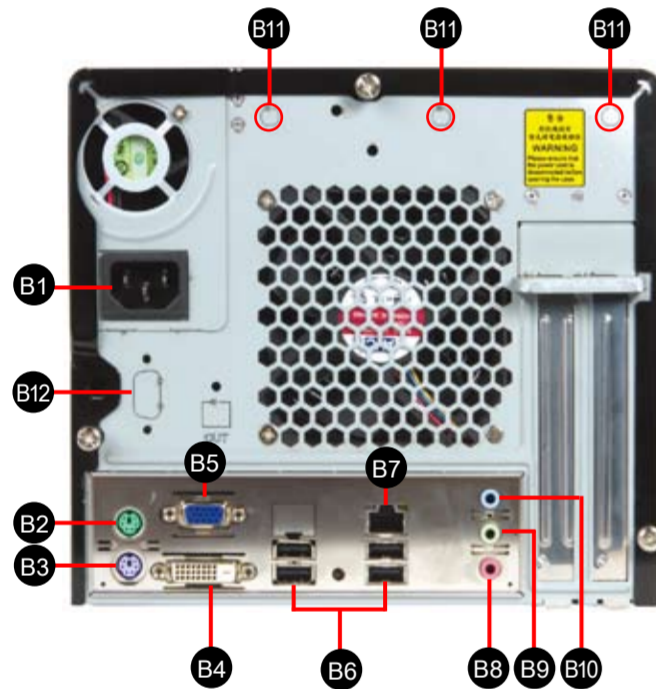
SG41J1 Quick Guide 【 English 】

Front Panel



- F1. HDD LED
- F2. Power Button / Power LED
- F3. ODD Eject Button
- F4. USB2.0 Ports
- F5. Microphone
- F6. Headphone

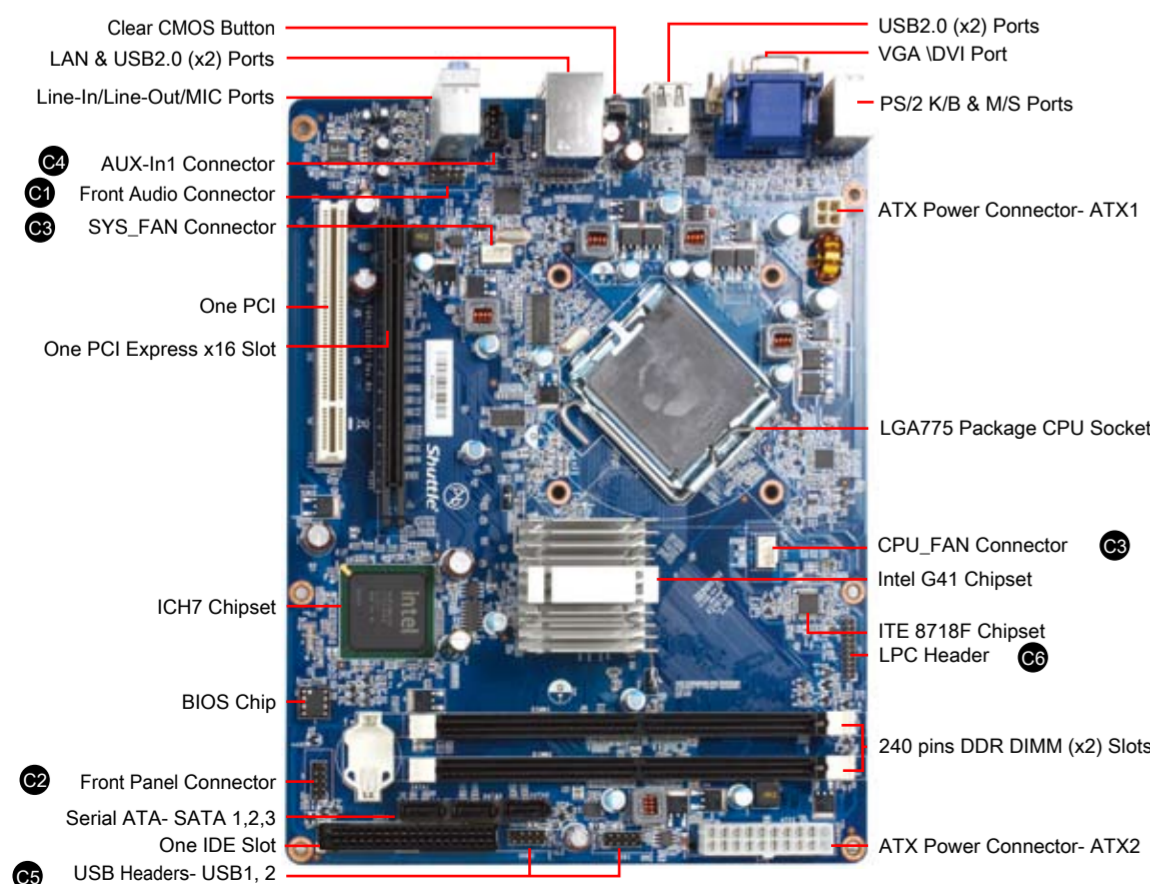
Back Panel



- B1. AC Power Socket
- B2. PS/2 Mouse Port
- B3. PS/2 Keyboard Port
- B4. DVI Port
- B5. VGA Port
- B6. USB2.0 Ports
- B7. LAN Port
- B8. Microphone-In Port
- B9. Audio Line-Out Port
- B10. Audio Line-In Port
- B11. Wireless LAN Perforation
- B12. Serial Port Preforation

! DVI & VGA Port can not be used, if a PCI Express graphics card is installed.

Mainboard Illustration



- Clear CMOS Button
- LAN & USB2.0 (x2) Ports
- Line-In/Line-Out/MIC Ports
- USB2.0 (x2) Ports
- VGA /DVI Port
- PS/2 K/B & M/S Ports
- AUX-In1 Connector (C4)
- Front Audio Connector (C1)
- SYS_FAN Connector (C3)
- ATX Power Connector- ATX1
- One PCI
- One PCI Express x16 Slot
- LGA775 Package CPU Socket
- CPU_FAN Connector (C5)
- Intel G41 Chipset
- ICH7 Chipset
- ITE 8718F Chipset
- LPC Header (C6)
- BIOS Chip
- 240 pins DDR DIMM (x2) Slots
- Front Panel Connector (C2)
- Serial ATA- SATA 1,2,3
- One IDE Slot
- USB Headers- USB1, 2 (C5)
- ATX Power Connector- ATX2

Jumper Settings

- C1** Front Audio Header
Pin Assignments (JP3):
- | | |
|----|---------------|
| 1 | MIC2_L |
| 2 | AGND |
| 3 | MIC2_R |
| 4 | FRONT-JD |
| 5 | LINE2-R |
| 6 | SENSE1_RETURN |
| 7 | FRONT_SENSE |
| 8 | KEY |
| 9 | LINE2-L |
| 10 | SENSE2_RETURN |
- C2** Front Panel Connector
Pin Assignments (JP2):
- | | |
|----|---------|
| 1 | +HD_LED |
| 2 | PWR_LED |
| 3 | -HD_LED |
| 4 | GND |
| 5 | RST_SW |
| 6 | PWR_SW |
| 7 | GND |
| 8 | GND |
| 9 | NULL |
| 10 | KEY |
- C3** FAN Connectors (CPU_FAN1, SYS_FAN1)
- | | |
|---|-------------|
| 1 | Ground |
| 2 | +12V |
| 3 | SPEED_SENSE |
| 4 | PWM_CTRL |
- C4** AUX-IN Connector
Pin Assignments (AUX_IN1):
- | | |
|---|--------------|
| 1 | AUX-in-Left |
| 2 | Ground |
| 3 | Ground |
| 4 | AUX-in-Right |
- C5** USB Header
Pin Assignments (USB1,2):
- | | | | |
|---|--------|----|--------|
| 1 | 5V_USB | 2 | 5V_USB |
| 3 | USB A- | 4 | USB B- |
| 5 | USB A+ | 6 | USB B+ |
| 7 | GND | 8 | GND |
| 9 | KEY | 10 | NULL |
- C6** LPC HEADER
Pin Assignments (JP1):
- | | | | | | | | |
|----|--------|----|----------|----|---------|----|--------|
| 1 | +12V | 2 | 5V | 3 | 5VSB | 4 | SERIRQ |
| 5 | SIO48M | 6 | SIO_PCLK | 7 | SIORST | 8 | LFRAME |
| 9 | LAD3 | 10 | LAD2 | 11 | -12V | 12 | 3VSB |
| 13 | NULL | 14 | LDRQ0 | 15 | SIO_PME | 16 | LAD1 |
| 17 | LAD0 | 18 | +3.3V | 19 | GND | 20 | GND |

Informations de sécurité [Français]

Lire les précautions d'usage avant l'installation d'un Shuttle XPC

ATTENTION
Ne pas replacer correctement la pile peut endommager l'ordinateur. Remplacez uniquement par la même ou un équivalent comme recommandé par Shuttle. Débarrassez-vous des piles usagées d'après les instructions du constructeur..

Etat de conformité du laser
Le lecteur de disque optique dans ce PC est un produit à laser. Le label de classification du lecteur laser est situé sur le lecteur.

Produit laser de classe 1
Attention : Radiations laser à l'ouverture. Eviter l'exposition au faisceau laser.

Safety Information
Read the following precautions carefully before setting up a Shuttle XPC.

CAUTION
Incorrectly replacing the battery may damage this computer. Replace only with the same or equivalent as recommended by Shuttle. Dispose of used batteries according to the manufacturer's instructions.

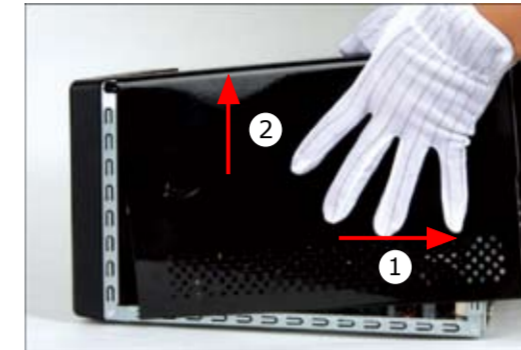
Laser compliance statement
The optical disc drive in this PC is a laser product. The drive's classification label is located on the drive.

CLASS 1 LASER PRODUCT
CAUTION: INVISIBLE LASER RADIATION WHEN OPEN. AVOID EXPOSURE TO BEAM.

A. Begin Installation

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

- Unscrew 3 thumbscrews of the chassis cover.
- Slide the cover backwards and remove upwards.



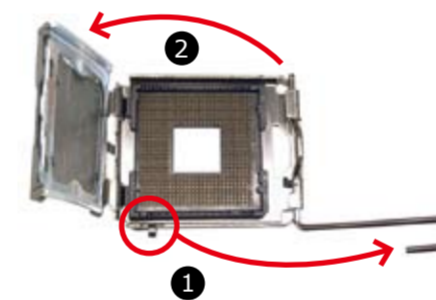
- Unfasten the rack mount screws and remove the rack.



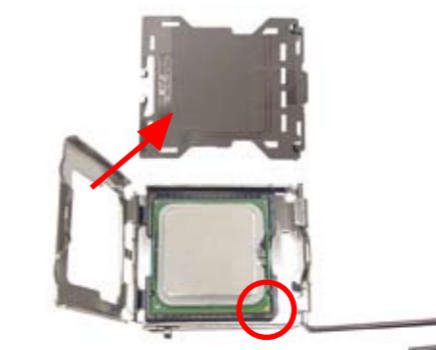
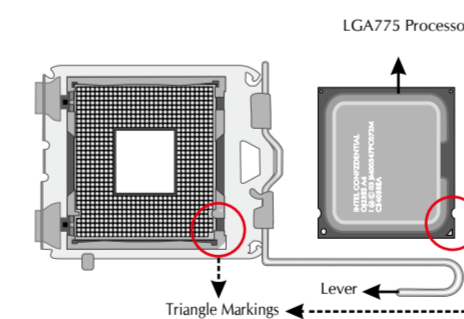
B. CPU Installation

- First unlock and raise the socket lever.
- Lift the metal load plate on the CPU socket.

Note: This 775 pin socket is touch-sensitive and pins bend easily. Always apply extreme care when installing a CPU and limit the number of times that you remove or change the CPU.

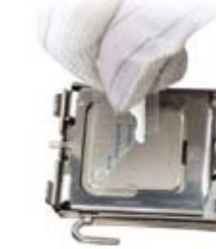


- Orientate the CPU and socket, aligning the yellow triangle on the corner of the CPU with the triangle on the socket. Make sure the CPU is perfectly horizontal, insert the CPU into the socket.
- Remove the protective socket cover. Close the load plate, lower the CPU socket lever and lock in place.



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

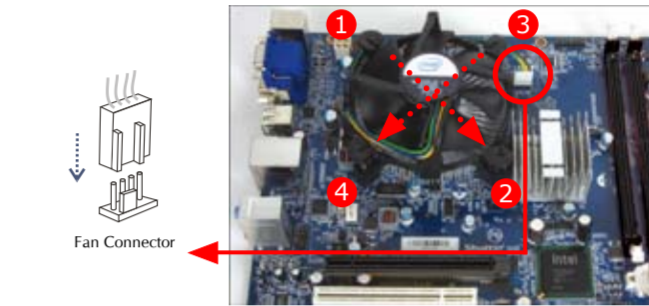
- Spread an even layer of thermal compound on the CPU die.



Note: Please be sure to use an appropriate amount of heatsink compound.

C. CPU Cooler Installation

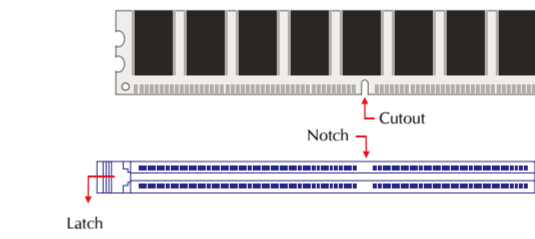
- Screw the Intel CPU FAN on to the mainboard and connect the fan connector.



Note: Please refer to the user guide of the Intel CPU FAN you bought to install the fan.
CPU cooler dimensions: 75 x 75 x 80 mm (Max.)

D. DDR memory module Installation

- Unlock the DIMM latch.
- Align the DDR module's cutout with the DIMM slot notch. Slide the DDR module into the DIMM slot.



- Check that the latches are closed, and the DDR modules are firmly installed.

Note: Repeat to install additional DDR modules if desired.

E. HDD and Optical Drive Installation

- Place the HDD and optical drive in the rack and secure with screws from the side.



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



- 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.

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



Serial ATA Power Cable Serial ATA Cable

- Connect the IDE Cable and power cables to the Optical Drive.



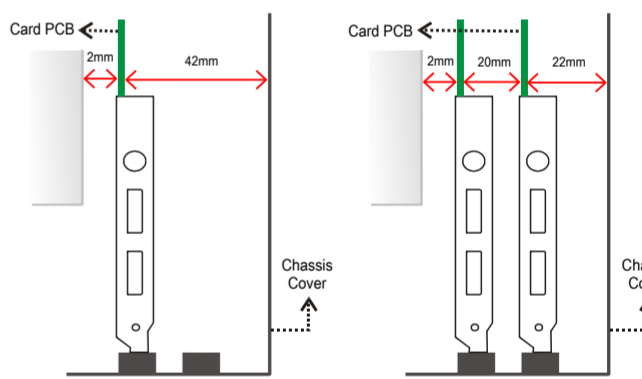
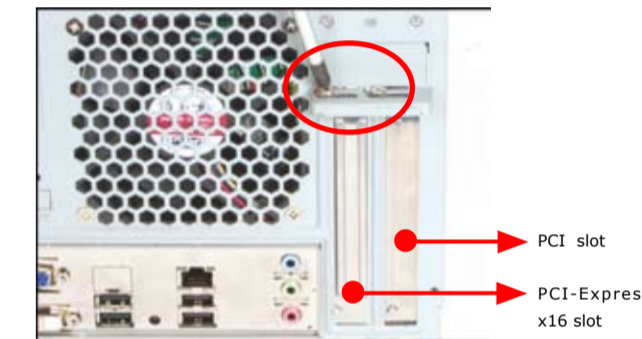
IDE Cable Power Cable

Note: An COM / LPT ports bracket is available optionally from Shuttle.

F. Expansion Card Installation

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

Note: Note: The maximum size for a graphics card to fit in the chassis is 273mm x 98mm x 38mm



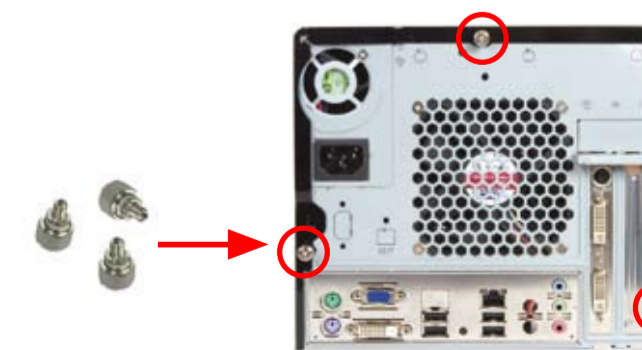
- Install the PCI/PCI Express x16 card (Optional) into the PCI/PCI Express x16 slot.



- Secure the bracket.

G. Fixing the cover

- Replace the cover and refasten the thumbscrews.



- Complete.

Note: Please load the optimized BIOS values.