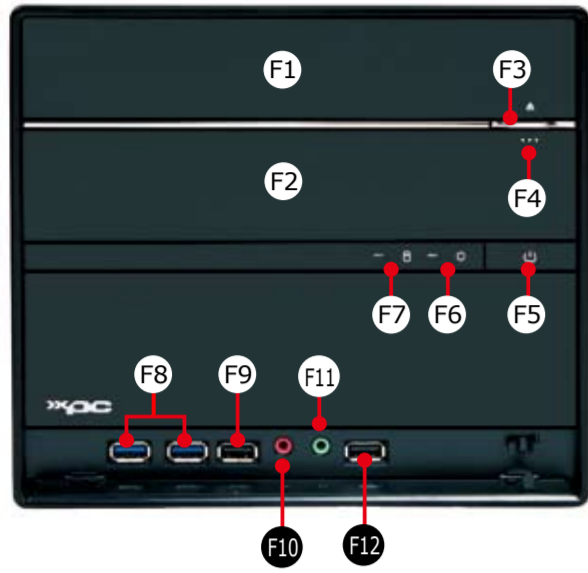


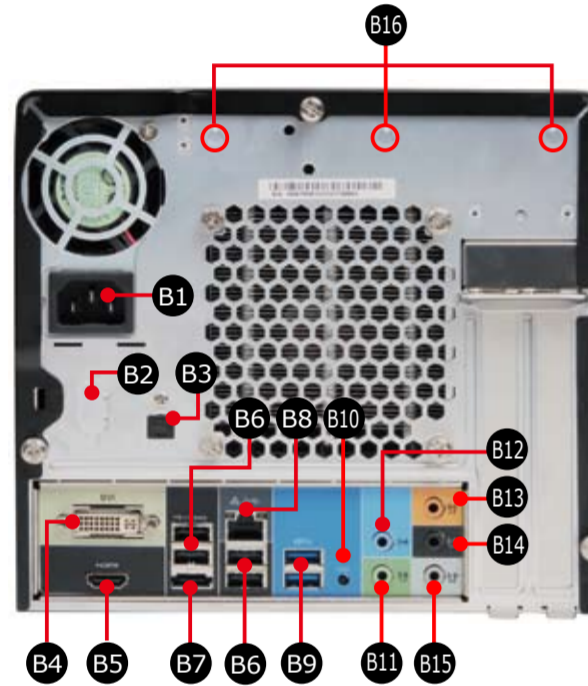
# SH87R6 Quick Guide 【 English 】

## Front Panel



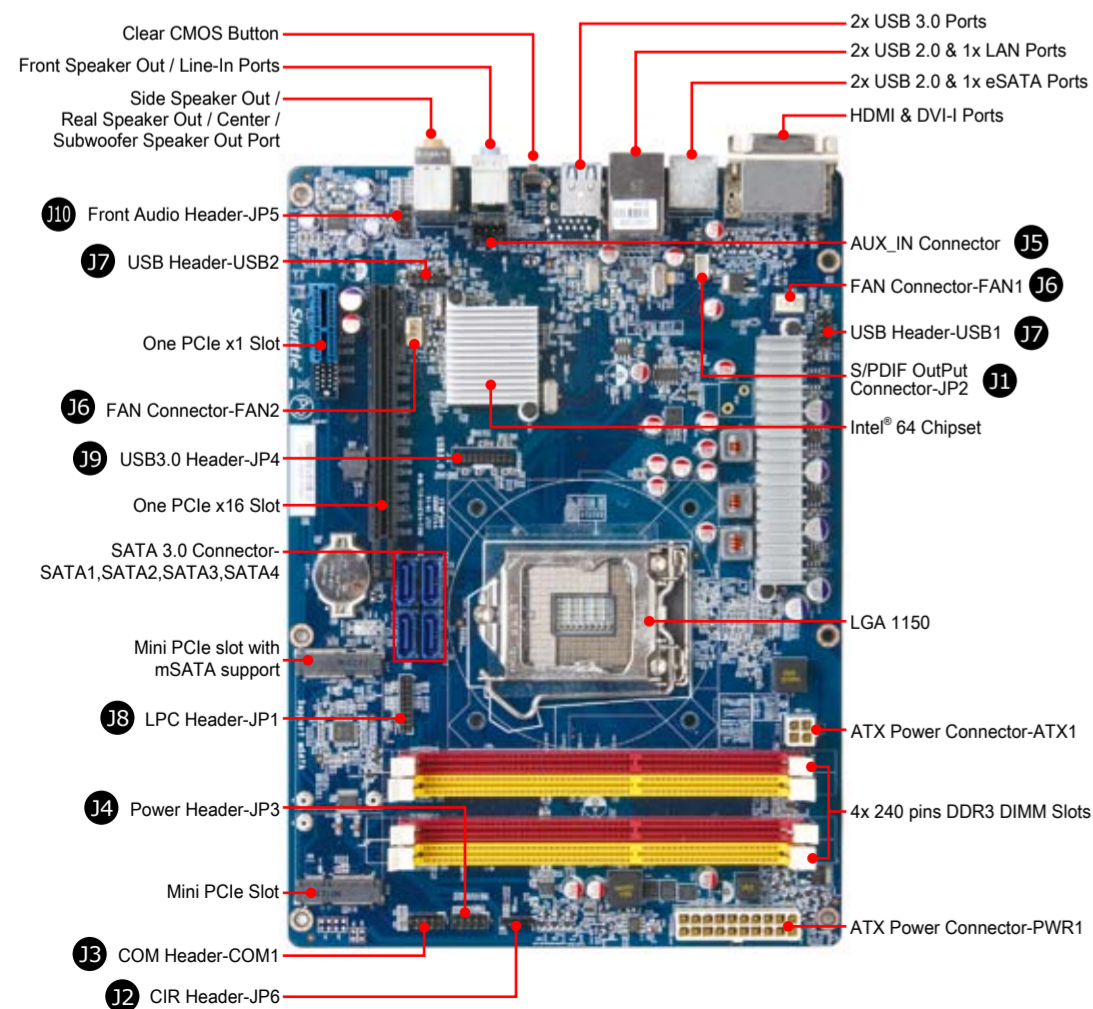
- F1. 5.25" Bay
- F2. 3.5" Bay
- F3. Eject Button
- F4. Open Door
- F5. Power Switch
- F6. Power LED
- F7. HDD LED
- F8. USB3.0 Ports
- F9. USB2.0 Port
- F10. Mic In
- F11. Headphone
- F12. USB2.0 Port & Fast Charger

## Back Panel



- B1. AC Power Socket
- B2. Serial Port (Optional)
- B3. S/PDIF Out Port
- B4. DVI-I Port
- B5. HDMI Port
- B6. USB2.0 Ports
- B7. eSATA Port
- B8. LAN Port
- B9. USB3.0 Ports
- B10. Clear CMOS Button
- B11. Front Speaker Out (L/R) Port
- B12. Line-In Port
- B13. Side Speaker Out (L/R) Port
- B14. Real Speaker Out (L/R) Port
- B15. Center/Subwoofer Speaker Out Port
- B16. Wireless LAN Perforation (Optional)

## Motherboard Illustration



## Jumper Settings

**11 S/PDIF OutPut Connector (JP2)**  
 1=Ground 3  
 2=VCC 2  
 3=SPDIFO 1

**12 CIR Header (JP6)**  
 1=5V  
 2=NULL  
 3=Ground  
 4=GPIO1  
 5=GPIO2

**13 COM Header (COM1)**  
 1=DCD 2=RXD  
 3=TXD 4=DTR  
 5=Ground 6=DSR  
 7=RTS 8=CTS  
 9=Ring 10=NULL

**14 Power Header (JP3)**  
 1=+HD\_LED 2=PWR\_LED  
 3=-HD\_LED 4=GND  
 5=RST\_SW 6=PWR\_SW  
 7=GND 8=GND  
 9=NULL 10=NA

**15 AUX IN Connector**  
 1=AUX-IN - Left  
 2=Ground  
 3=Ground  
 4=AUX-IN - Right

**16 Fan Connectors**  
 1=Ground  
 2=+12V  
 3=SPEED\_SENSE  
 4=PWM\_CTRL

**17 USB Header (USB1,USB2)**  
 1=5V\_USB 2=5V\_USB  
 3=USB A- 4=USB B-  
 5=USB A+ 6=USB B+  
 7=GND 8=GND  
 9=NA 10=NULL

**18 LPC Header (JP1)**  
 1=+12V 2=5V 3=5VSB  
 4=SERIRQ 5=CLK\_48M 6=CLK\_33M  
 7=SIO\_RST 8=LFRAME 9=LAD3  
 10=LAD2 11=-12V 12=3VSB  
 13=Ring 14=LDRQ0 15=SIO\_PME  
 16=LAD1 17=LAD0 18=+3.3V  
 19=GND 20=NULL

**19 USB 3.0 Header (JP4)**  
 1=5VCC 2=A\_RX\_N  
 3=A\_RX\_P 4=Ground  
 5=A\_TX\_N 6=A\_TX\_P  
 7=Ground 8=A\_Data\_N  
 9=A\_Data\_P 10=OC  
 11=B\_Data\_P 12=B\_Data\_N  
 13=Ground 14=B\_TX\_P  
 15=B\_TX\_N 16=Ground  
 17=B\_RX\_P 18=B\_RX\_N  
 19=5VCC 20=NULL

**110 Front Audio Header (JP5)**  
 1=MIC\_L 2=GND  
 3=MIC\_R 4=Front\_Detect  
 5=LINE\_R 6=Mic\_detect  
 7=sense 8=NULL  
 9=LINE\_L 10=Line\_Detect

**Safety Information**  
 Read the following precautions 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. Disposal 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

**Please do not apply excess amount of thermal paste.**

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 upwards.

- Unfasten the rack mount screws and remove the rack.

## B. CPU and ICE Installation

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

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

This 1150 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. Before installing the CPU, make sure to turn off the computer and unplug the power cord from the power outlet to prevent damage to the CPU.

- Follow the steps below to correctly install the CPU into the motherboard CPU socket.
- Remove the protective membrane from the CPU socket.
- First unlock. Press **A** with your thumb, then move it to **B** until it is released from the retention tab and raise the socket lever.
- Lift the metal load plate on the CPU socket.

DO NOT touch socket contacts. To protect the CPU socket, always replace the protective socket cover when the CPU is not installed.

- Orientate the CPU and socket, you may align the CPU notches with the socket alignment keys. Make sure the CPU is perfectly horizontal, insert the CPU into the socket.
- Close the metal load plate, lower the CPU socket lever and lock in place.
- Spread thermal paste evenly on the CPU surface.

Please be aware of the CPU orientation, DO NOT force the CPU into the socket to avoid bending of pins on the socket and damage of CPU!

## D. Mini PCIe card Installation

- Install the Mini PCIe card into the Mini PCIe slot / mSATA Slot and affix it with screws.

## E. Peripheral Installation

- Loosen the purse lock and separate the Serial ATA and power cables.
- Place the HDD and optical drive in the rack and secure with screws from the side.
- Connect the Serial ATA Cable to motherboard.
- Place the rack in the chassis and refasten the rack.

## F. Accessories Installation

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

The maximum size acceptable for display cards is 267mm x 98mm x 34.6mm.

## G. Complete

- Replace the cover and refasten the thumbscrews.
- Complete.

Please press "Del" key while booting to enter BIOS and load the optimised BIOS settings.