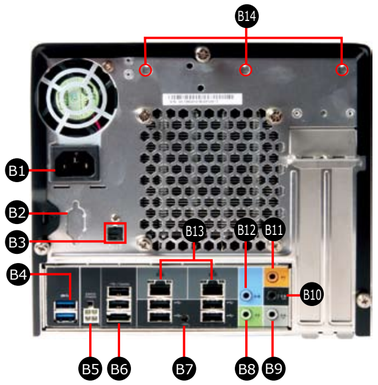
SX79R5 Quick Guide【 English 】

62R-SX79R0-0601 SX79R5
English.Spanish.Korean.
Traditional Chinese.Japanese.
French. German Quick Guide

Front Panel

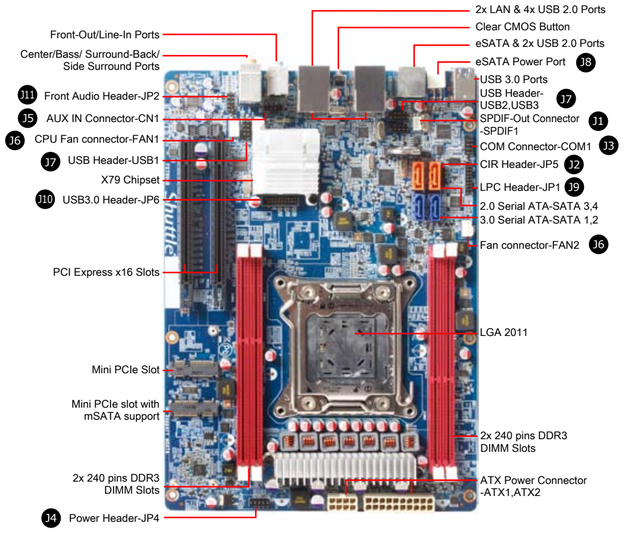
F1. 5.25” Bay
F2. 3.5” Bay
F3. Eject Button
F4. Open Door
F5. Power Switch & Power LED
F6. HDD LED
F7. USB3.0 Ports
F8. USB2.0 Port
F9. Mic In
F10. Headphone
F11. USB2.0 Port & Fast Charger

Back Panel



B1. AC Power Socket
B2. Serial Port Perforation
B3. SPDIF Out Port
B4. USB3.0 Ports
B5. eSATA Power Port
B6. eSATA & USB2.0 Ports
B7. Clear CMOS Button
B8. Front-Out (L/R) Port
B9. Side Surround (L/R) Port
B10. Surround-Back (L/R) Port
B11. Center / Bass Port
B12. Line-In Port
B13. LAN & USB2.0 Ports
B14. Wireless LAN Perforation (Optional)

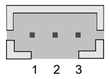
Motherboard Illustration



Jumper Settings

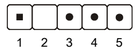
J1 S/PDIF OutPut Connector (JP3)

1=Ground
2=VCC
3=SPDIFO



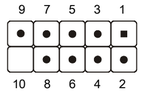
J2 CIR Header (JP5)

1=5V
2=NA
3=Ground
4=GPIO1
5=GPIO2



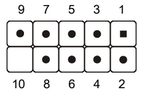
J3 COM Header (COM1)

1=DCD	2=RXD
3=TXD	4=DTR
5=Ground	6=DSR
7=RTS	8=CTS
9=Ring	10=NA



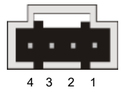
J4 Power Header (JP4)

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

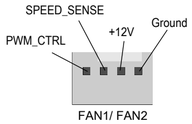


J5 AUX IN Connector (CN1)

1=AUX-IN – Left
2=Ground
3=Ground
4=AUX-IN – Right

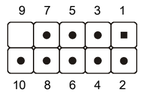


J6 CPU Fan Connectors



J7 USB Header (USB1,USB2,USB3)

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

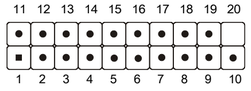


J8 eSATA Power Port

1=5V
2=3.3V
3=12V
4=GND

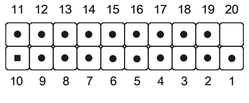
J9 LPC Header (JP1)

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=NA



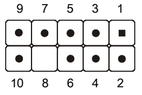
J10 USB 3.0 Header (JP6)

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=NA



J11 Front Audio Header (JP2)

1=MIC_L	2=GND
3=MIC_R	4=Front_Detect
5=LINE_R	6=Mic_detect
7=sense	8=NA
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.

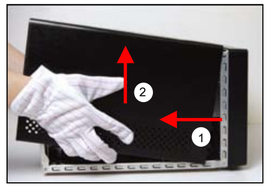
CLASS 1 LASER PRODUCT

E AUTION INVISIBLE LASER RADIATION WHEN OPEN.
AVOID EXPOSURE TO BEAM.

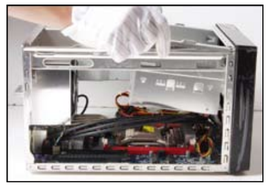
A. Begin Installation

⚠ 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.

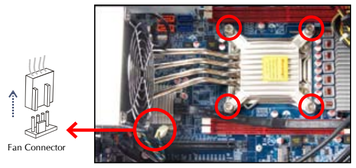


3. Unfasten the rack mount screws and remove the rack.



B. CPU and ICE Installation

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

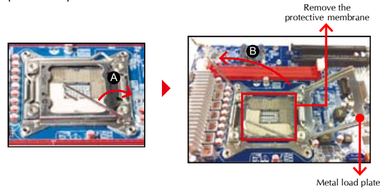


3. Remove the ICE module from the chassis and put it aside.

⚠ This 2011 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.

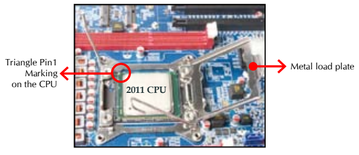
➢ Follow the steps below to correctly install the CPU into the motherboard CPU socket.

4. First, release retention tab at Ⓐ and Ⓑ location, then lift up the metal plate on top of CPU socket.



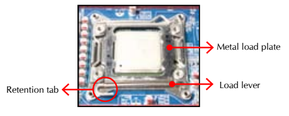
⚠ DO NOT touch socket contacts. To protect the CPU socket, always replace the protective socket cover when the CPU is not installed.

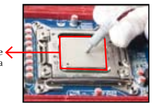
5. Orientate the CPU and socket, aligning the yellow triangle on the corner of the CPU with the triangle on the socket or you may align the CPU notches with the socket alignment keys. Make sure the CPU is perfectly horizontal, insert the CPU into the socket.



⚠ Please be aware of the CPU orientation, DO NOT force the CPU into the socket of prevent bending the pins on the socket and damaging the CPU!

6. Close the metal load plate, lower the CPU socket lever and lock in place.
7. Spread thermal paste evenly on the CPU surface.

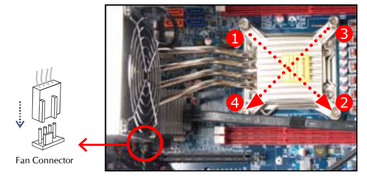




⚠ Please do not apply excess amount of thermal paste.

⚠ 8. Tear off the protective membrane from the bottom of ICE module. Remove the protective socket mylar from the CPU socket.

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

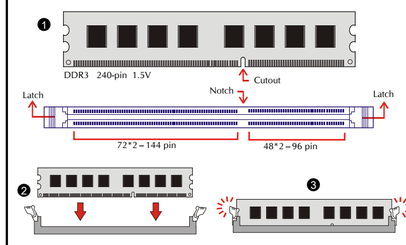


11. Fasten the Smart Fan to the chassis with the 4 thumbscrews.

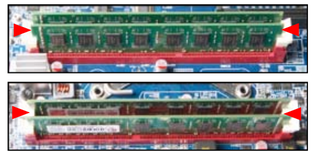
C. Memory module Installation

1. Unlock the DIMM latch.
2. Align the memory module's cutout with the DIMM slot notch. Slide the memory module into the DIMM slot.

⚠ A DDR3 memory module has a cutout, so it can only fit in one direction.



3. Check that the latches are closed, and the memory module is firmly installed.



⚠ Repeat to install additional memory modules if required.

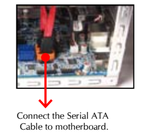
D. Mini PCIe card Installation

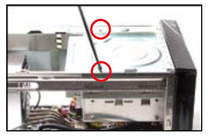
1. Install the Mini PCIe card into the Mini PCIe slot / mSATA Slot and affix it with screws.

E. Peripheral Installation

1. Loosen the purse lock and separate the Serial ATA and power cables.
2. Place the HDD and optical drive in the rack and secure with screws from the side.

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





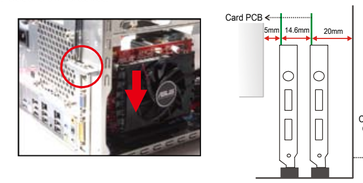
4. Connect the Serial ATA and power cables to the HDD.

5. Connect the Serial ATA and power cables to the optical drive.

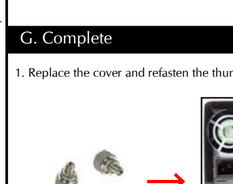
F. Accessories Installation

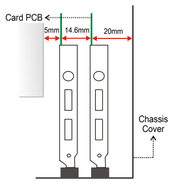
1. Unfasten expansion slot bracket screws.
Remove the back panel bracket and put the bracket aside.

⚠ The maximum size acceptable for display card is 267mm x 98mm x 18mm



2. Install the PCI Express x16 card into the PCI Express x16 slot.
3. Secure the bracket.





G. Complete

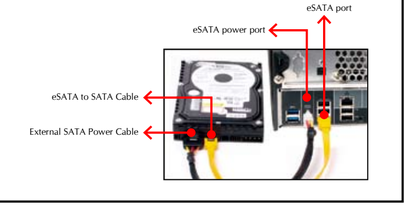
1. Replace the cover and refasten the thumbscrews.

2. Complete.

⚠ Please load the optimized BIOS values.

H. Install eSATA HDD

1. Take out the eSATA to SATA Cable and External SATA Power Cable from the accessory box.
2. Plug the eSATA to SATA cable to the eSATA port and plug the External SATA Power Cable to the eSATA power port.
3. Connect the eSATA to SATA Cable and External SATA Power Cable to the HDD.



The product's color and specification will depend upon the actually shipping product.

53R-SX79R3-2001