XH61V Quick Guide 【 English 】
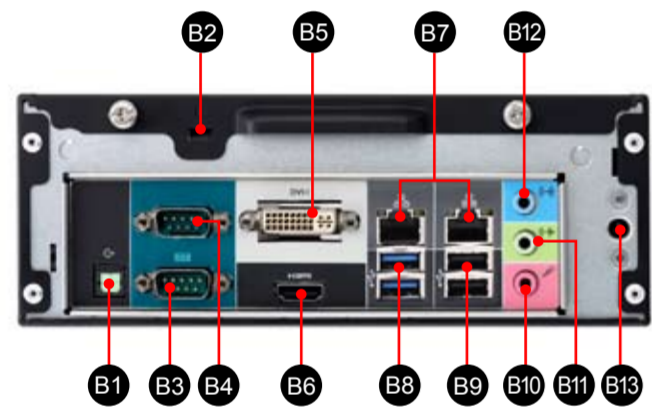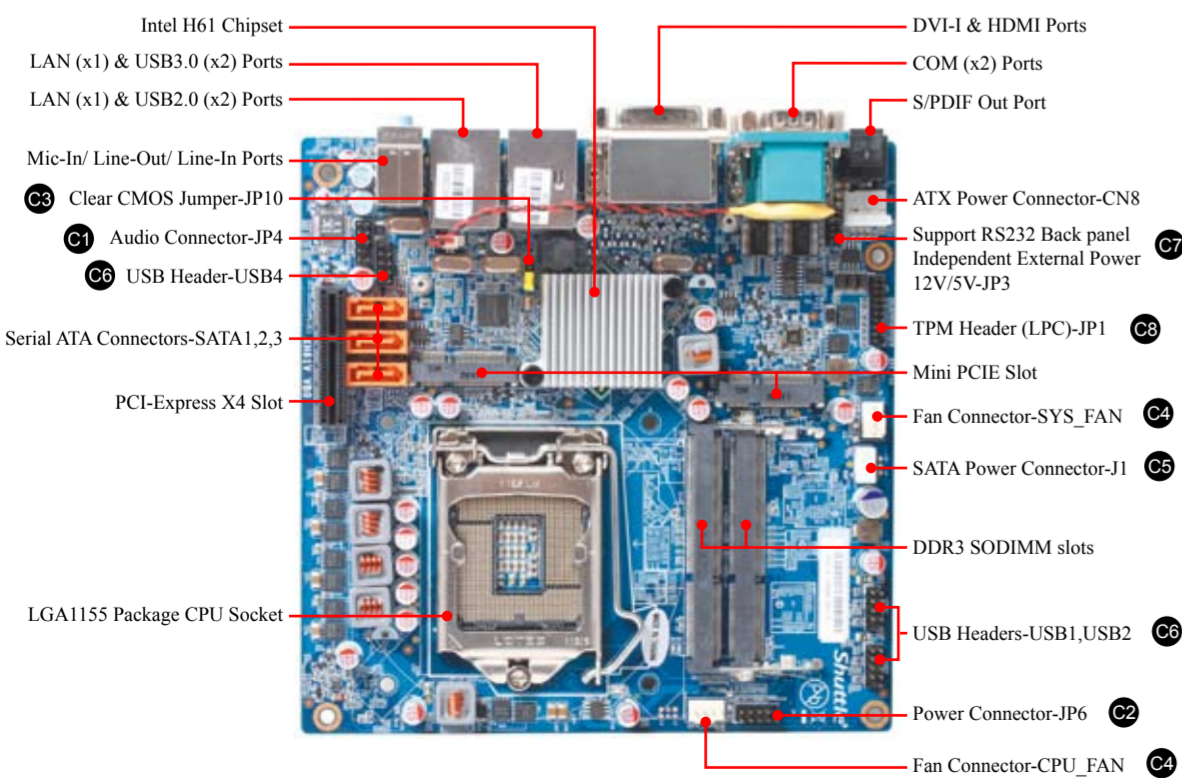
Front Panel
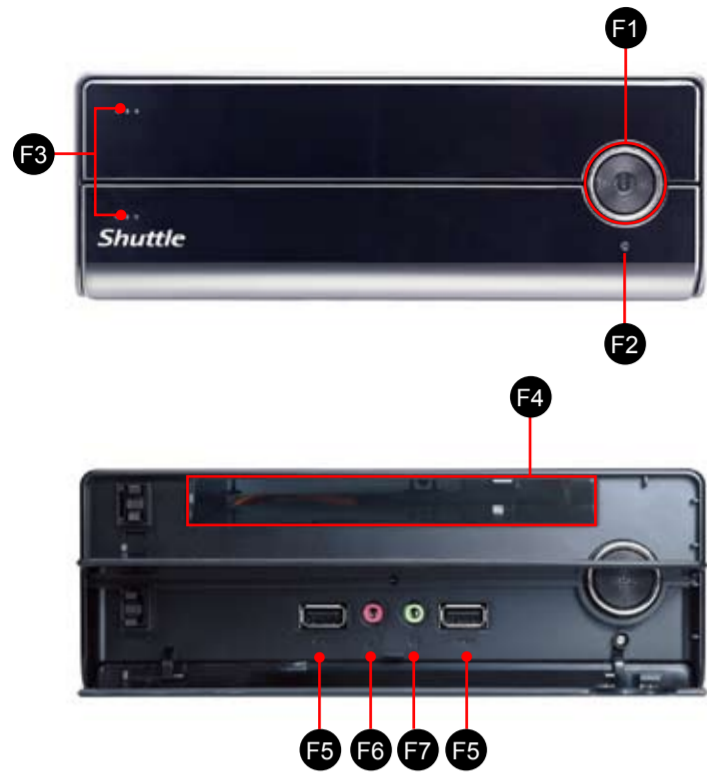
F1. Power Switch / Power LED

F2. HDD LED

F3. ODD and Front I/O Bay

F4. Slim ODD Bay

F5. USB2.0 Ports

F6. Mic-In

F7. Headphone

Back Panel

B1. S/PDIF Out Port

B2. Kensington® Lock Port

B3. COM1 Port (RS232/RS422/RS485)

B4. COM2 Port (RS232)

B5. DVI-I Port

B6. HDMI Port

B7. LAN Ports

B8. USB3.0 Ports

B9. USB2.0 Ports

B10. Mic-In Port

B11. Line-Out Port

B12. Line-In Port

B13. DC Power Port

Motherboard Illustration

Intel H61 Chipset
LAN (x1) & USB3.0 (x2) Ports
LAN (x1) & USB2.0 (x2) Ports
Mic-In/ Line-Out/ Line-In Ports
C3 Clear CMOS Jumper-JP10
C1 Audio Connector-JP4
C6 USB Header-USB4
Serial ATA Connectors-SATA1,2,3
PCI-Express X4 Slot
LGA1155 Package CPU Socket
Power Connector-JP6 C2
Fan Connector-CPU_FAN C4

DVI-I & HDMI Ports
COM (x2) Ports
S/PDIF Out Port
ATX Power Connector-CN8
Support RS232 Back panel Independent External Power 12V/5V-JP3 C7
TPM Header (LPC)-JP1 C8
Mini PCIE Slot
Fan Connector-SYS_FAN C4
SATA Power Connector-J1 C5
DDR3 SODIMM slots
USB Headers-USB1,USB2 C6

Jumper Settings

C1 Audio Connector

Pin Assignments (JP4):

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 Power Connector

Pin Assignments (JP6):

1=+HD_LED
2=PWR_LED
3=-HD_LED
4=GND
5=RST_SW
6=PWR_SW
7=GND
8=GND
9=NC
10=KEY

C3 Clear CMOS Jumper

Pin Assignments (JP10):

1=UL_BAT_PWR
2=-RTCRST
3=-RTCBTN

Pin1-2 (BAT_POWER Mode)   Pin2-3 (Clear CMOS Mode)

C4 FAN Connectors

PWM_CTRL
SPEED_SENSE
+12V
Ground

CUP_FAN/SYS_FAN

C5 SATA Power Connector

Pin Assignments (J1):

1=GND
2=GND
3=+5V
4=+5V

C6 USB Headers

Pin Assignments (USB1/USB2/USB4):

1=5V_USB   2=5V_USB
3=USB A-   4=USB B-
5=USB A+   6=USB B+
7=GND   8=GND
9=NC   10=NC

C7 Support RS232 Back panel Independent External Power 12V / 5V

JUMP1 Connector Pin 1 and Pin 2 = RI1 Signal.
JUMP2 Connector Pin 3 and Pin 4 = RI2 Signal.
IF JUMP1 Connector Pin 5 and Pin 7 = RI1 is +5V
IF JUMP2 Connector Pin 6 and Pin 8 = RI2 is +5V
IF JUMP1 Connector Pin 7 and Pin 9 = RI1 is 12V
IF JUMP2 Connector Pin 8 and Pin 10 = RI2 is 12V

Pin Assignments (JP3):

1=-XRI1   2=COM_-XRI1
3=-XRI2   4=COM_-XRI2
5=+5V   6=+5V
7=COM1_PWR   8=COM2_PWR
9=+12V   10=+12V

C8 TPM Header (LPC)

Pin Assignments (JP1):

1=+12V   11=NC
2=5V   12=3VSB
3=5VSB   13=RI
4=SERIRQ   14=LDRQ
5=CLK-48M   15=PME
6=CLK-33M   16=LAD1
7=SIORST#   17=LAD0
8=LFRAME   18=+3.3V
9=LAD3   19=GND
10=LAD2   20=NC

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.
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

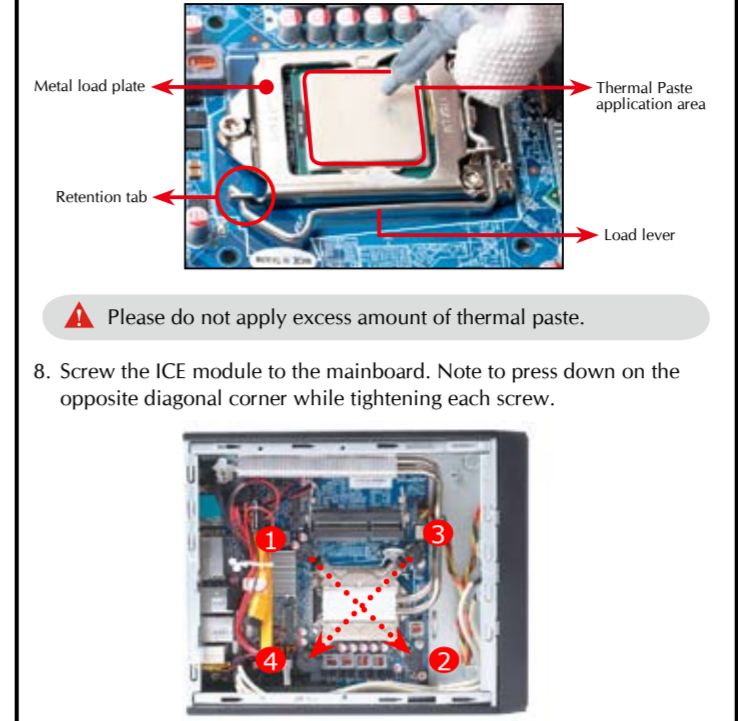⚠ For safety reasons, please ensure that the power cord is disconnected before opening the case.

1. Unscrew the two thumbscrews of the chassis cover.

2. Slide the cover backwards and upwards.

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

HDD Rack   ODD Rack

B. CPU and ICE Module Installation

1. Unfasten the four ICE module attachment screws.

⚠ Rotating the fastener along the direction of arrow is to remove the ICE module, on the contrary, is to install.

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

⚠ Please note this 1155 pin socket bends easily. Always apply extreme care and little force when installing a CPU and limit the number of times you remove or exchange it. Before installation, make sure to turn off the computer and unplug the power cord from the mains to avoid damage.

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

3. First unlock and raise the socket lever.

4. Lift the metal load plate on the CPU socket. Tear off the protective membrane from the bottom of ICE module. Remove the protective socket mylar from the CPU socket.

Remove the protective membrane

Metal load plate

⚠ 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 and please align the CPU notches with the socket alignment keys. Make sure the CPU is perfectly horizontal, insert it into the socket.

Triangle Pin1 Marking on the CPU

Socket 1155 CPU

Notch on the CPU/ Alignment Key of the CPU Socket

⚠ 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!

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

Metal load plate
Retention tab
Thermal Paste application area
Load lever

⚠ Please do not apply excess amount of thermal paste.

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

C. Memory Module Installation

1. Locate the SODIMM slot on the mainboard.
2. Align the notch of the memory module with the one of the memory slot.

notch   SODIMM slot

3. Gently insert the module into the slot in a 45-degree angle.
4. Carefully push down the memory module until it snaps into the locking mechanism.

45-degree angle

Latch   Latch

5. Repeat the above steps to install additional memory modules, if required.

D. Component Installation

1. Install the Mini PCIE card into the Mini PCIE slot and secure with screws.

2. Untie all cables for easier installation.

Purse lock

3. Place the slimline DVD drive in the rack and fasten it with the four screws from the sides.

4. Slide the rack downward and forward and refasten it using the two screws.

5. Connect the ODD cable and power cable to optical drive.

Slimline SATA Cable

6. Place the HDD in the rack and secure with the four screws from the side.

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

Serial ATA Cable   Serial ATA Power Cable

8. Slide the rack in the chassis and refasten the two screws.
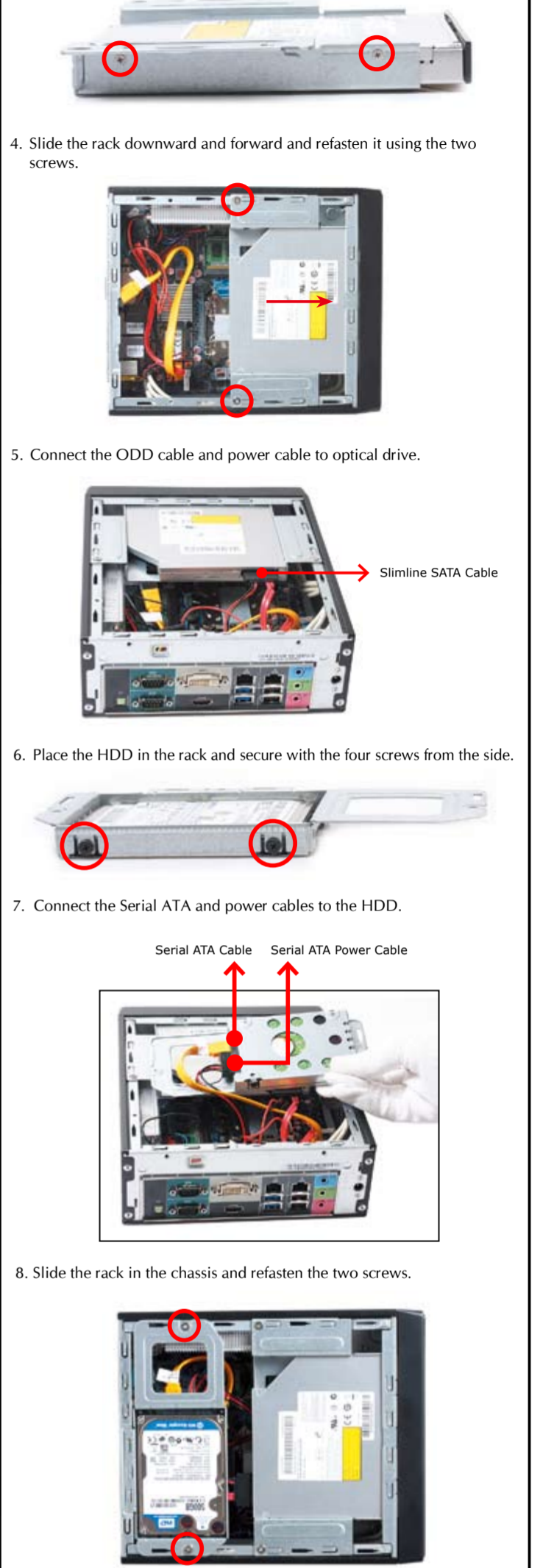
E. Complete

1. Replace the cover and refasten the thumbscrews.

2 . Complete.

⚠ Please load the optimized BIOS settings.

§ The product's color and specification will depend on the actual shipping product.