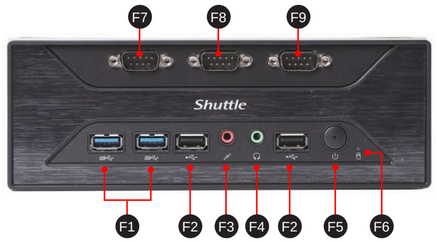
# XC60J Quick Guide【English】

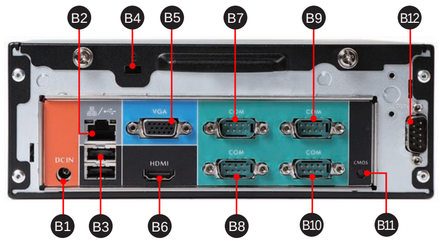
62RQXC60J0-5201 XC60J
English.Spanish.Traditional Chinese.
Japanese.Russian.French.German Quick Guide

## Front Panel



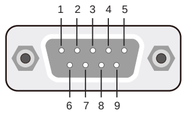

F1. USB 3.0 port
F2. USB 2.0 port
F3. Mic-in
F4. Headphone
F5. Power switch / Power LED
F6. HDD LED
F7. COM6 port (RS232)
F8. COM7 port (RS232)
F9. COM8 port (RS232)

## Back Panel




B1. DC power port
B2. LAN port
B3. USB 2.0 port
B4. Kensington® lock port
B5. D-Sub (VGA) port
B6. HDMI port
B7. COM2 port (RS232)
B8. COM1 port (RS232/422/485)
B9. COM4 port (RS232)
B10. COM3 port (RS232)
B11. Clear CMOS
B12. COM5 port (RS232)

**COM PORT (COM1_2, COM3_4)**



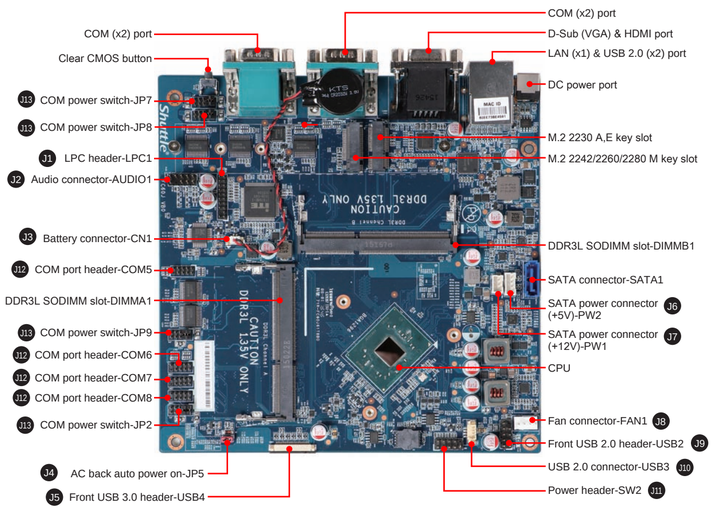

RS232/422/485:
COM1_2 (Down)

| | |
|---|---|
| 1=DCD_485TX- | 6=DSR |
| 2=RX_485TX+ | 7=RTS |
| 3=TX_422RX+ | 8=CTS |
| 4=DTR_422RX- | 9=RI(NA) |
| 5=GND | 10=N/C |

Only RS232:
COM1_2 (UP) and COM3_4

| | |
|---|---|
| 1=DCD | 6=DSR |
| 2=RX | 7=RTS |
| 3=TX | 8=CTS |
| 4=DTR | 9=RI(NA) |
| 5=GND | 10=N/C |

## Motherboard Illustration



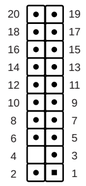

### ➢ Safety Information

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.

## Jumper Settings

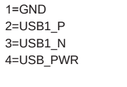
**J1 LPC header (LPC1)**




| | |
|---|---|
| 1=LPC_24M | 2=GND |
| 3=LFRAME | 4=NULL |
| 5=SIORST- | 6=NC |
| 7=LAD3 | 8=LAD2 |
| 9=+3.3V | 10=LAD1 |
| 11=LAD0 | 12=GND |
| 13=LPC_48M | 14=PCH_PME- |
| 15=+3.3VS | 16=SERIRQ |
| 17=GND | 18=CLKRUN_NC |
| 19=PD#_NC | 20=SUS_CLK_TPM |

**J2 Audio connector (AUDIO1)**

| | |
|---|---|
| 1=MIC_L | 2=AGND |
| 3=MIC_R | 4=FRONT-JD |
| 5=HP_R_C | 6=MIC-JD |
| 7=SENSE B | 8=NULL |
| 9=HP_L_C | 10=HP-JD |



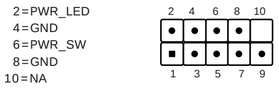

**J3 Battery connector (CN1)**

1=V_BAT
2=GND



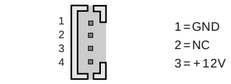

**J4 AC back auto power on (JP5)**

1=PWRSW-
2=GND




**J5 Front USB 3.0 header (USB4)**

| | | |
|---|---|---|
| 1=USB30_PWR | 2=USB30_PWR | 3=USB30_PWR |
| 4=USB30_PWR | 5=U3_RX0N | 6=U3_RX0P |
| 7=GND | 8=GND | 9=U3_TX0N |
| 10=U3_TX0P | 11=GND | 12=GND |
| 13=USB0_N | 14=USB0_P | 15=USB30_PWR |
| 16=USB30_PWR | 17=USB30_PWR | 18=USB30_PWR |
| 19=U3_RX1N | 20=U3_RX1P | 21=GND |
| 22=GND | 23=U3_TX1N | 24=U3_TX1P |
| 25=GND | 26=GND | 27=USB2_N |
| 28=USB2_P | 29=GND | 30=GND |




**J6 SATA power connector (+5V)(PW2)**

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

**J7 SATA power connector (+12V)(PW1)**

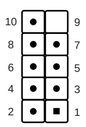
| | |
|---|---|
| 1=GND | 3 |
| 2=NC | 2 |
| 3=+12V | 1 |

**J8 Fan connector (FAN1)**

1=GND
2=+12V
3=SPEED_SENSE
4=PWM_CTRL


**J9 Front USB 2.0 header (USB2)**

| | |
|---|---|
| 1=USB_PWR | 2=USB_PWR |
| 3=USB4_N | 4=USB3_N |
| 5=USB4_P | 6=USB3_P |
| 7=GND | 8=GND |
| 9=NC | 10=GND |




**J10 USB 2.0 connector (USB3)**

1=GND
2=USB1_P
3=USB1_N
4=USB_PWR

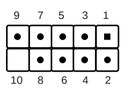

**J11 Power header (SW2)**

| | |
|---|---|
| 1=HDLEDPWR | 2=PWR_LED |
| 3=SATALED | 4=GND |
| 5=RST_SW | 6=PWR_SW |
| 7=GND | 8=GND |
| 9=NULL | 10=NA |




**J12 COM port header (COM5,COM6,COM7,COM8)**

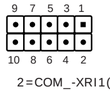
| | |
|---|---|
| 1=DCD | 2=RX |
| 3=TX | 4=DTR |
| 5=GND | 6=DSR |
| 7=RTS | 8=CTS |
| 9=RI(NA) | 10=N/C |




**J13 COM power switch (JP7,JP8,JP9,JP2) (DEFAULT=SHORT 1-2,3-4) RI(NA)**

**COM1_2(Down) & COM1_2(Up) POWER SWITCH : JP7**

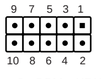
Support RS232 Back panel
Independent External Power 12V / 5V
JUMP1 Connector Pin 1 and Pin 2 = RI1 Signal.
JUMP2 Connector Pin 3 and Pin 4 = RI2 Signal.
IF JUMP1 Connector Pin 5 and Pin 7 = RI1 is VCC
IF JUMP2 Connector Pin 6 and Pin 8 = RI2 is VCC
IF JUMP1 Connector Pin 7 and Pin 9 = RI1 is 12V
IF JUMP2 Connector Pin 8 and Pin 10 = RI2 is 12V




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

**COM3_4(Down) & COM3_4(Up) POWER SWITCH : JP8**

Support RS232 Back panel
Independent External Power 12V / 5V
JUMP1 Connector Pin 1 and Pin 2 = RI3 Signal.
JUMP2 Connector Pin 3 and Pin 4 = RI4 Signal.
IF JUMP1 Connector Pin 5 and Pin 7 = RI3 is VCC
IF JUMP2 Connector Pin 6 and Pin 8 = RI4 is VCC
IF JUMP1 Connector Pin 7 and Pin 9 = RI3 is 12V
IF JUMP2 Connector Pin 8 and Pin 10 = RI4 is 12V




| | |
|---|---|
| 1=-XRI3(NA) | 2=COM_-XRI3(NA) |
| 3=-XRI4(NA) | 4=COM_-XRI4(NA) |
| 5=+5V | 6=+5V |
| 7=COM3_PWR | 8=COM4_PWR |
| 9=+12V | 10=+12V |

**COM5 & COM6 POWER SWITCH : JP9**

Support RS232 Back panel
Independent External Power 12V / 5V
JUMP1 Connector Pin 1 and Pin 2 = RI5 Signal.
JUMP2 Connector Pin 3 and Pin 4 = RI6 Signal.
IF JUMP1 Connector Pin 5 and Pin 7 = RI5 is VCC
IF JUMP2 Connector Pin 6 and Pin 8 = RI6 is VCC
IF JUMP1 Connector Pin 7 and Pin 9 = RI5 is 12V
IF JUMP2 Connector Pin 8 and Pin 10 = RI6 is 12V


| | |
|---|---|
| 1=-XRI5(NA) | 2=COM_-XRI5(NA) |
| 3=-XRI6(NA) | 4=COM_-XRI6(NA) |
| 5=+5V | 6=+5V |
| 7=COM5_PWR | 8=COM6_PWR |
| 9=+12V | 10=+12V |

**COM7 & COM8 POWER SWITCH : JP2**

Support RS232 Back panel
Independent External Power 12V / 5V
JUMP1 Connector Pin 1 and Pin 2 = RI7 Signal.
JUMP2 Connector Pin 3 and Pin 4 = RI8 Signal.
IF JUMP1 Connector Pin 5 and Pin 7 = RI7 is VCC
IF JUMP2 Connector Pin 6 and Pin 8 = RI8 is VCC
IF JUMP1 Connector Pin 7 and Pin 9 = RI7 is 12V
IF JUMP2 Connector Pin 8 and Pin 10 = RI8 is 12V

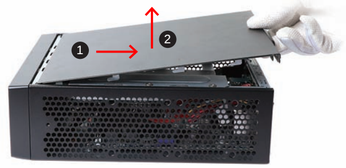

| | |
|---|---|
| 1=-XRI7(NA) | 2=COM_-XRI7(NA) |
| 3=-XRI8(NA) | 4=COM_-XRI8(NA) |
| 5=+5V | 6=+5V |
| 7=COM7_PWR | 8=COM8_PWR |
| 9=+12V | 10=+12V |

## A. Begin Installation

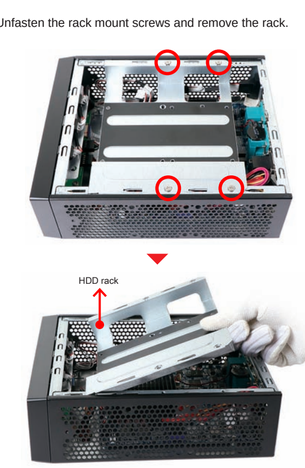
⚠ For safety reasons, please ensure that the power cord is disconnected before opening the case.

1. Unscrew the two thumbscrews of the chassis cover.

2. Slide the cover backwards and upwards.



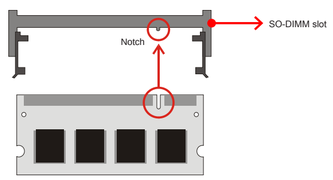

3. Unfasten the rack mount screws and remove the rack.



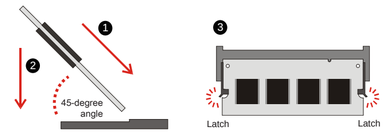

## B. Memory Module Installation

⚠ This mainboard does only support 1.35V DDR3L SO-DIMM memory modules.

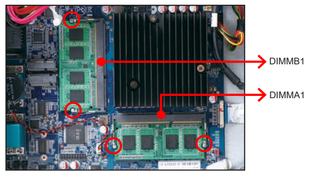
1. Locate the SO-DIMM slot on the mainboard.
2. Align the notch of the memory module with the one of the memory slot.




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.

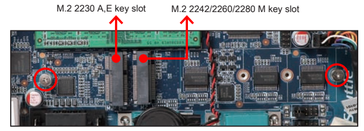



5. Repeat the above steps to install additional memory modules, if required.



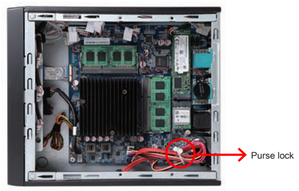

## C. Component Installation

1. As shown, unfasten the screw first.




2. Install the M.2 device into the M.2 slot and secure with the screw.

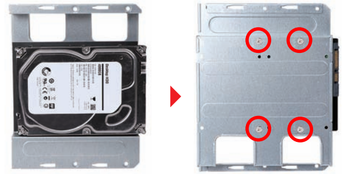
3. Untie all cables for easier installation.




4. Place the HDD or SSD in the rack and secure with the four screws.

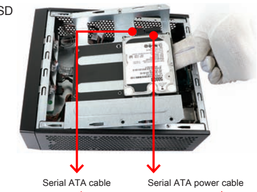
☛ For the 2.5" HDD/SSD

☛ For the 3.5" HDD/SSD



5. Connect the Serial ATA and power cables to the HDD or SSD.

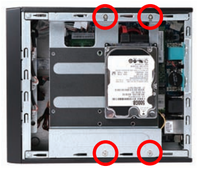
☛ For the 2.5" HDD/SSD




☛ For the 3.5" HDD/SSD

6. Slide the rack in the chassis and refasten the four screws.

☛ For the 2.5" HDD/SSD



☛ For the 3.5" HDD/SSD

## D. Complete

1. Replace the cover and refasten the thumbscrews.

2. Complete.

⚠ Please press the "Del" key while booting to enter BIOS. Here, please load the optimised BIOS settings.

The product's colour and specifications may vary from the actually shipping product.

53R-XC60J3-H001