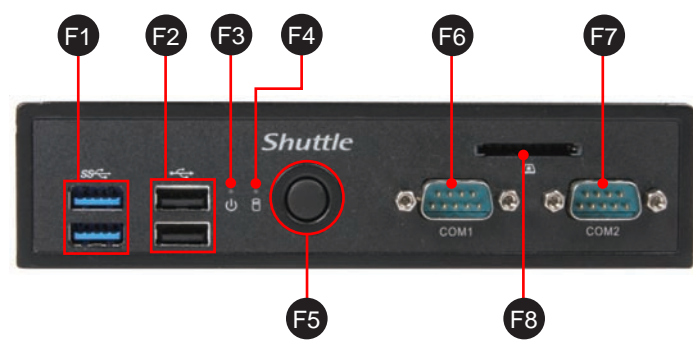


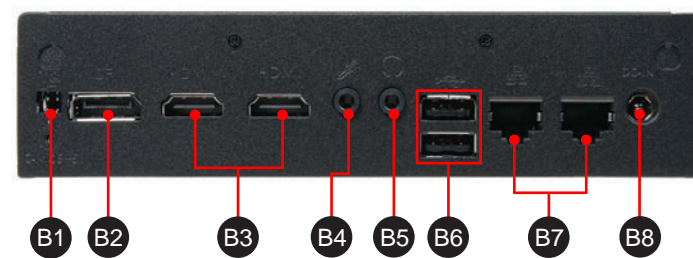


## Front Panel



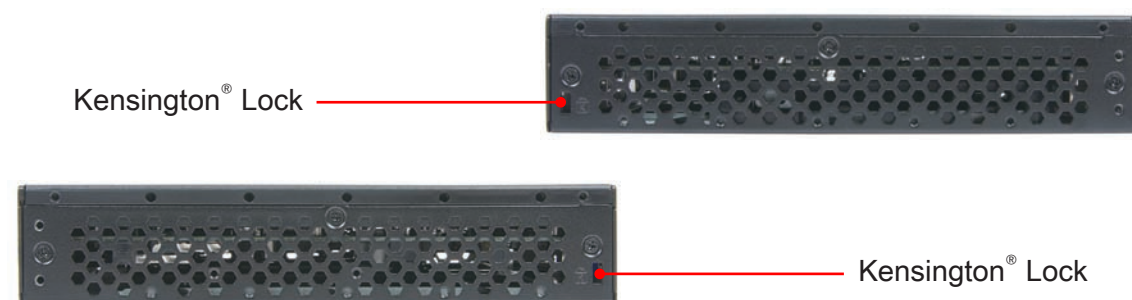
- F1. 2x USB 3.0 Port
- F2. 2x USB 2.0 Port
- F3. Power LED
- F4. HDD LED
- F5. Power Button
- F6. COM 1 : Supports RS232/RS422/RS485
- F7. COM 2 : Supports RS232
- F8. SD Card Reader

## Back Panel

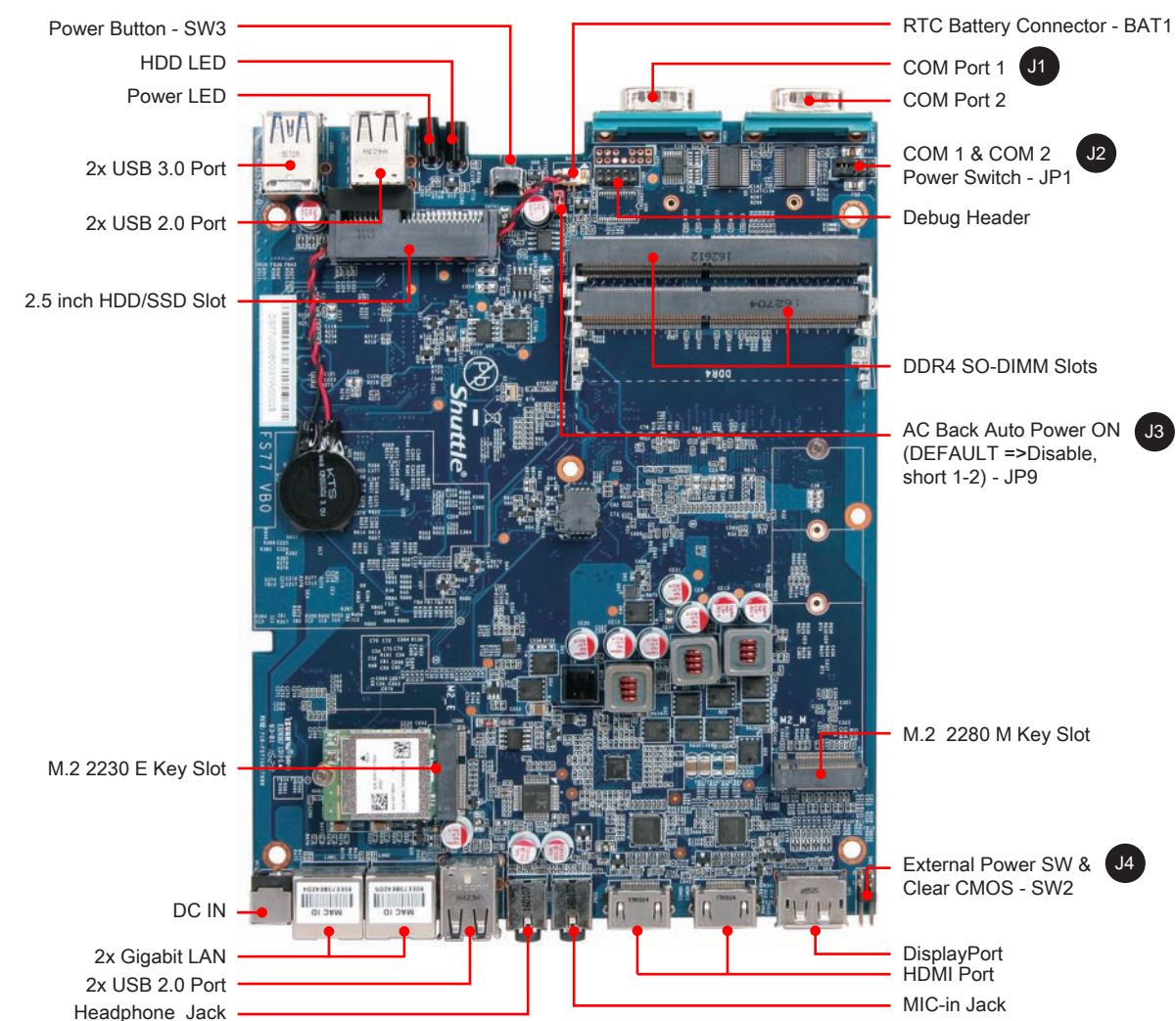


- B1. External Power & Clear CMOS (Pin definition 4)
- B2. DisplayPort (Without Audio/Hotplug)
- B3. HDMI Port
- B4. MIC-in Jack
- B5. Headphone Jack
- B6. 2x USB 2.0 Port
- B7. 2x Gigabit LAN
- B8. DC IN

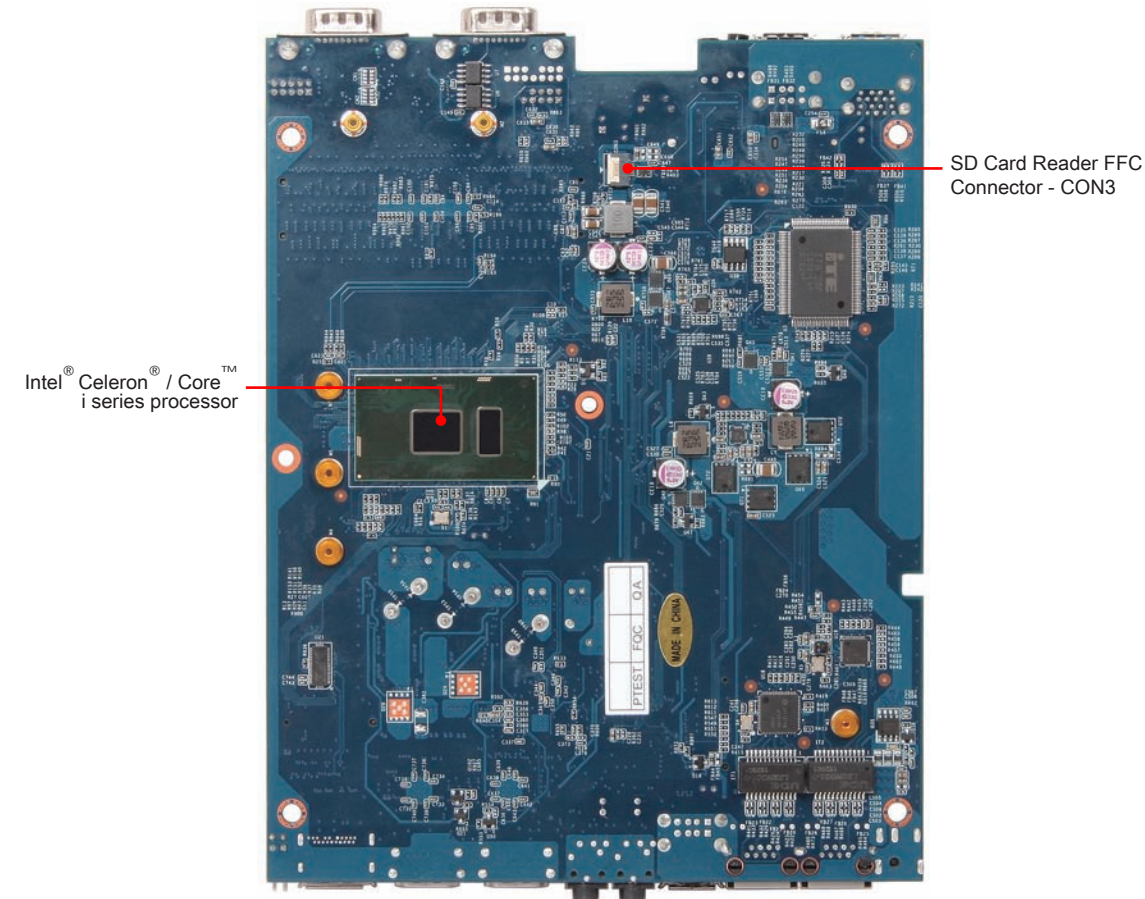
## Left / Right Panel



## Motherboard Illustration Top View



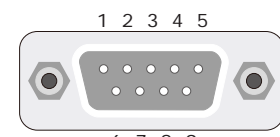
## Motherboard Illustration Bottom View



## Jumper Settings

### J1 COM Port 1

RS-232, RS-422, RS-485 switch by BIOS setting



COM1 (RS232)			
Pin	Signal Name	Pin	Signal Name
1	DCD	2	RX
3	TX	4	DTR
5	GND	6	DSR
7	RTS	8	CTS
9	RI1-		

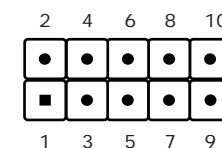
COM1 (RS422)			
Pin	Signal Name	Pin	Signal Name
1	TXD-	2	TXD+
3	RXD-	4	RXD+
5	GND	6	---
7	---	8	---
9	---		

COM1 (RS485)			
Pin	Signal Name	Pin	Signal Name
1	Data-	2	Data+
3	---	4	---
5	GND	6	---
7	---	8	---
9	---		

### J2 COM 1 & COM 2 Power Switch

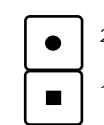
COM PORT Pin 9 "Ring Indicator" (RI) configuration:

JP1			
COM1 (pin9)		COM2 (pin9)	
Short Pin	Function	Short Pin	Function
1-2 (Default)	RI1	3-4 (Default)	RI2
5-7	+5V	6-8	+5V
7-9	+12V	8-10	+12V



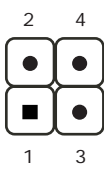
### J3 AC Back Auto Power ON

JP9	
Pin	AC Back auto Power ON function
Short 1-2	Disable (Default)
Open	Enable



### J4 External Power SW & Clear CMOS

SW2	
Pin	Signal Name
1	PWRSW-
2	+5V
3	GND
4	RTC_RST#



### Safety Information

Read the following precautions before setting up a Shuttle XPC.

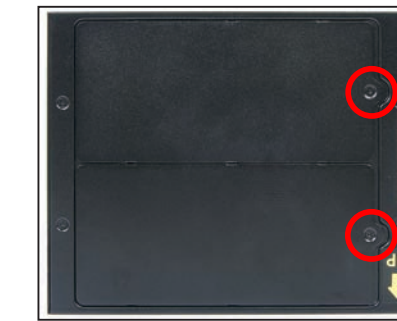
#### CAUTION

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.

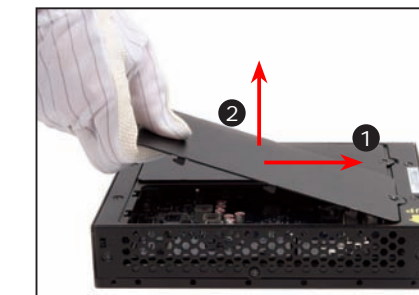
## A. Begin Installation

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

1. Unscrew two screws of the chassis cover.



2. Slide the cover forwards and upwards.

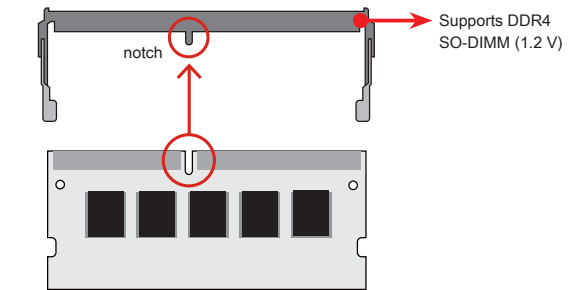


## B. Memory Module Installation

⚠ This mainboard does only support 1.2 V DDR4 SO-DIMM memory modules.

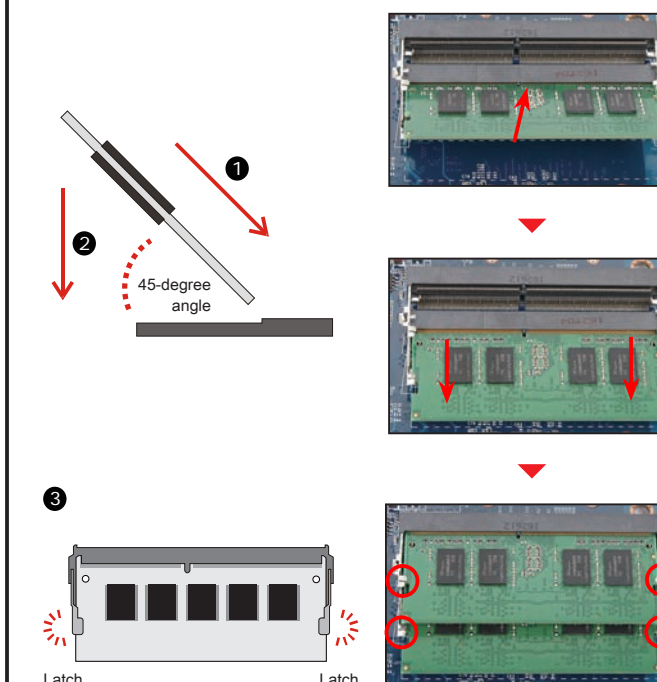
1. Locate the SO-DIMM slots on the mainboard.

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 above steps to install additional memory modules, if desired.

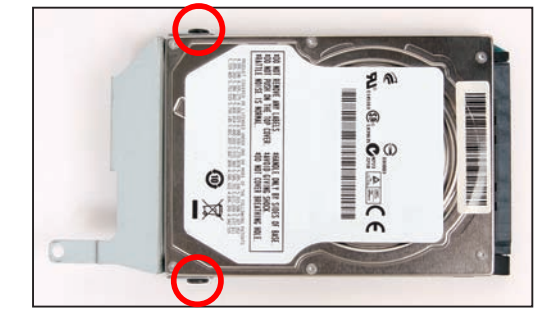
## C. Mass Storage Installation

### 2.5" HDD/SSD drive

1. Unscrew the rack from chassis.



2. Place the HDD or SSD in the rack and secure with two screws from each side.



3. Lay the HDD or SSD into its drive bay and push it gently to the right until it clicks into place.



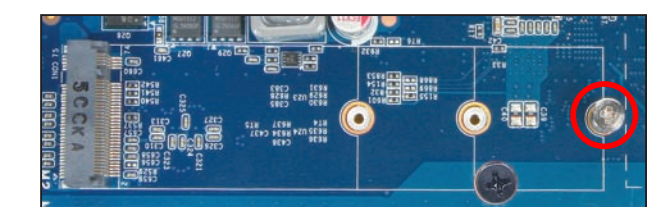
4. Refasten screws.



### M.2 SSD module

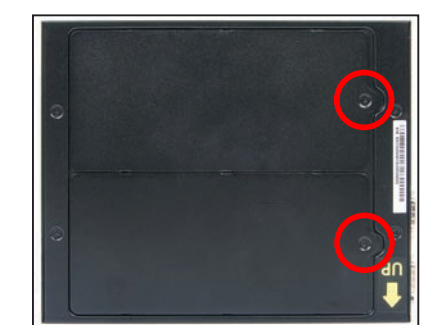
1. As shown, unfasten the screw first.

2. Install the M.2 card into its slot and secure with the mentioned screw.



## D. Complete

1. Replace the covers and refasten the screws.



2. Complete.

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

⚠ Operation Position: Please make sure to use either the supplied feet or the VESA mount.