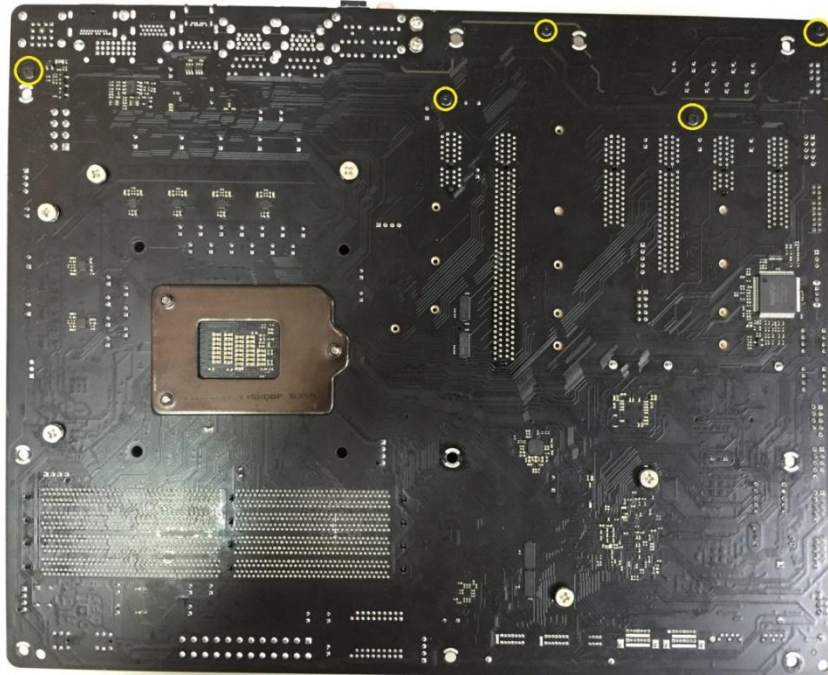


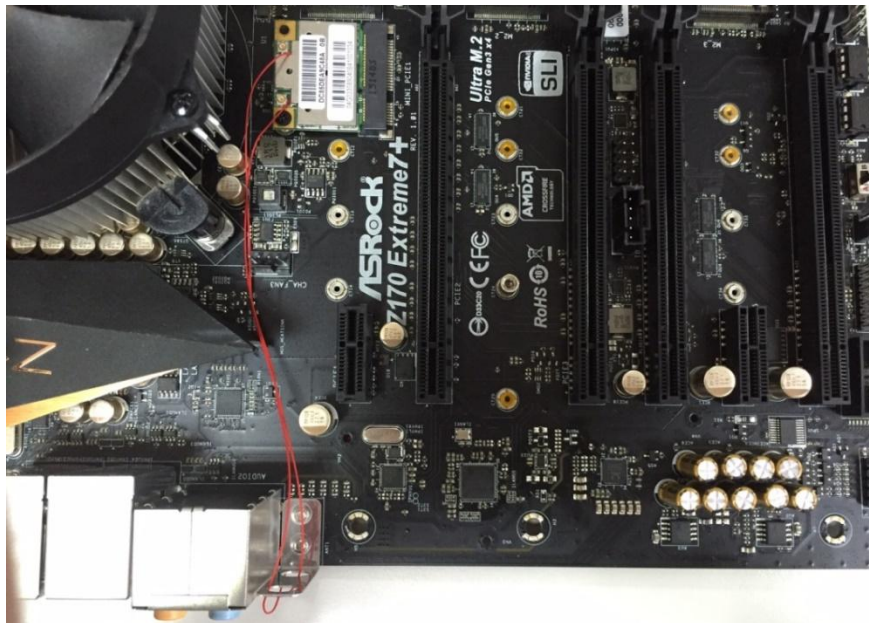
1. Q: If I would like to install a mini-PCIe WiFi card on Z170 Extreme7+, how do I connect the WiFi antennas and mini-PCIe WiFi card?

A: If the connection wires between WiFi antennas and mini-PCIe WiFi card are less than 26 cm, please refer to the following steps.

Step 1. Loosen the five screws marked in yellow circles on the back side of Z170 Extreme 7+. Then remove the I/O cover.

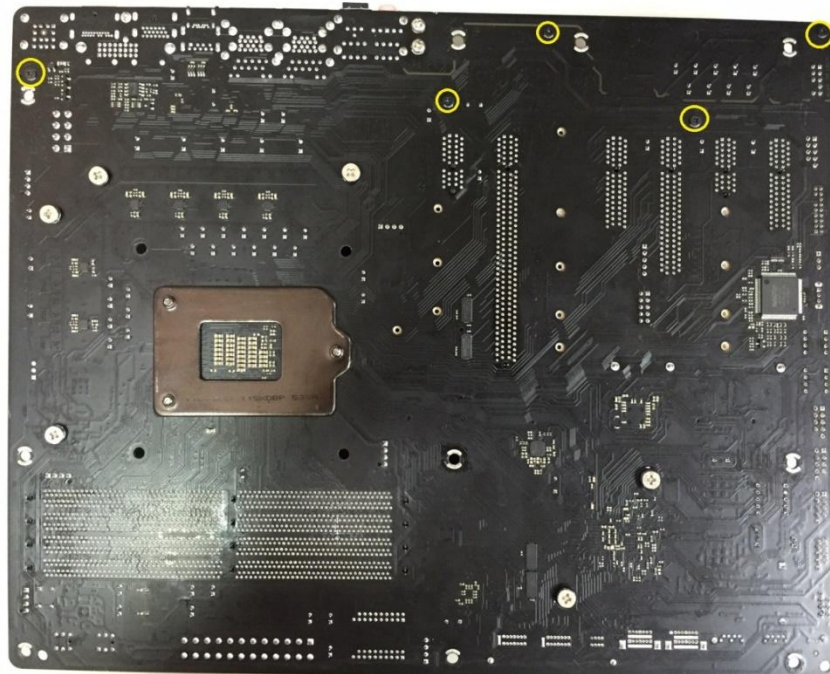


Step 2. Use the red wires to connect the mini-PCIe WiFi card to WiFi antenna ports on the I/O port.

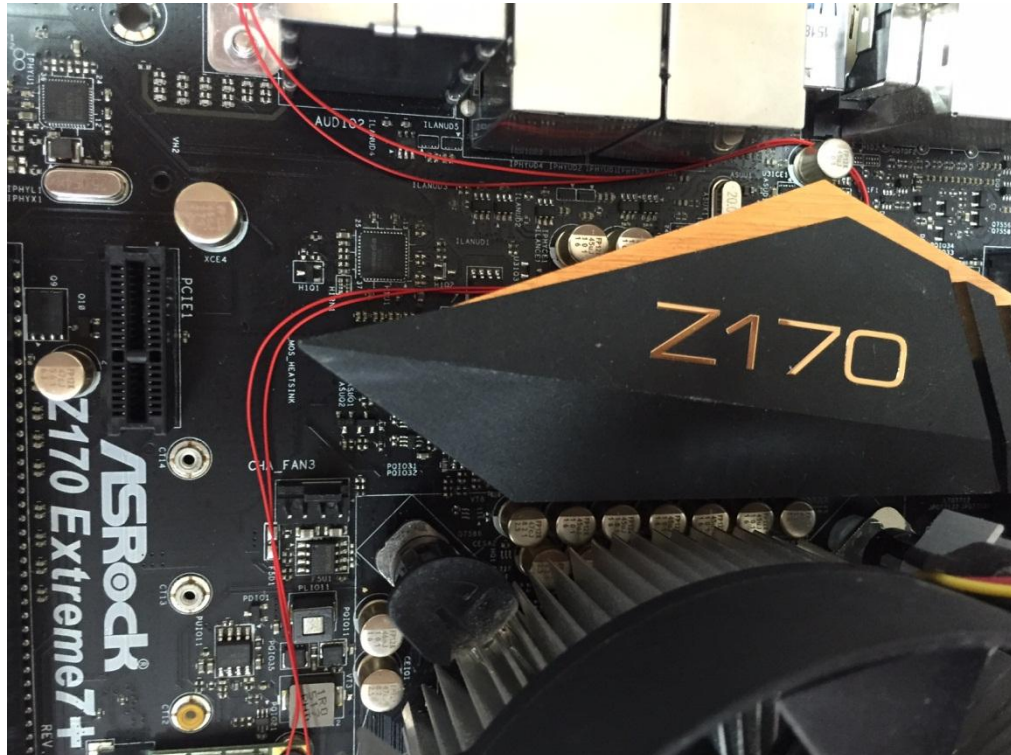


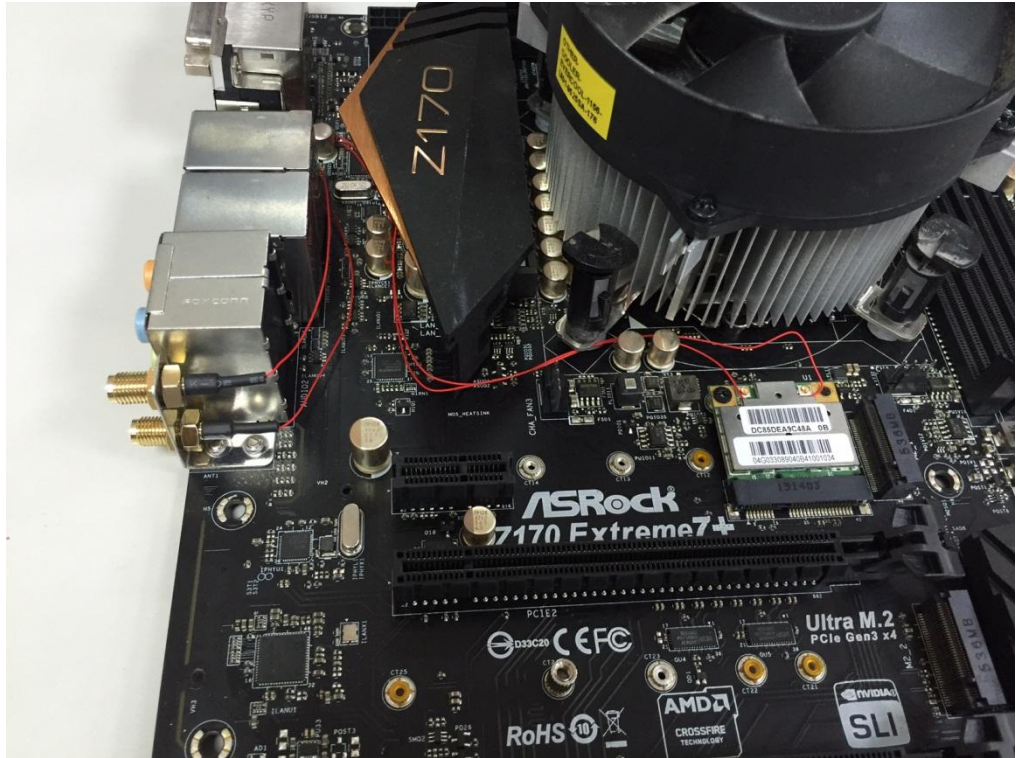
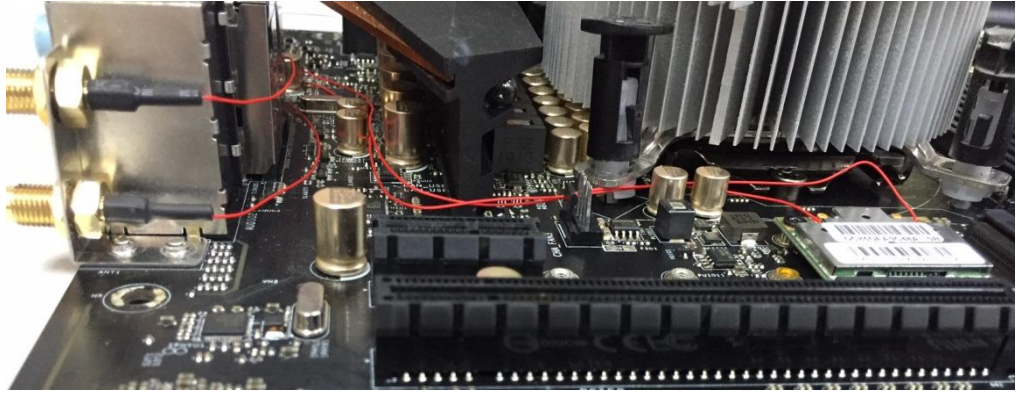
If the connection wires between WiFi antennas and mini-PCIe WiFi card are longer than 26 cm, please follow the steps below.

Step 1 –Loosen the five screws marked in yellow circles on the back side of Z170 Extreme 7+. Then remove the IO cover.



Step 2 –Route the red wires as the picture below to connect the WiFi antennas and mini-PCIe WiFi card.





Step 3 – Install the IO cover back to Z170 Extreme7+ as below picture.



**2. Q: Do ASRock Intel X99 motherboards support Intel Broadwell-E CPU?**

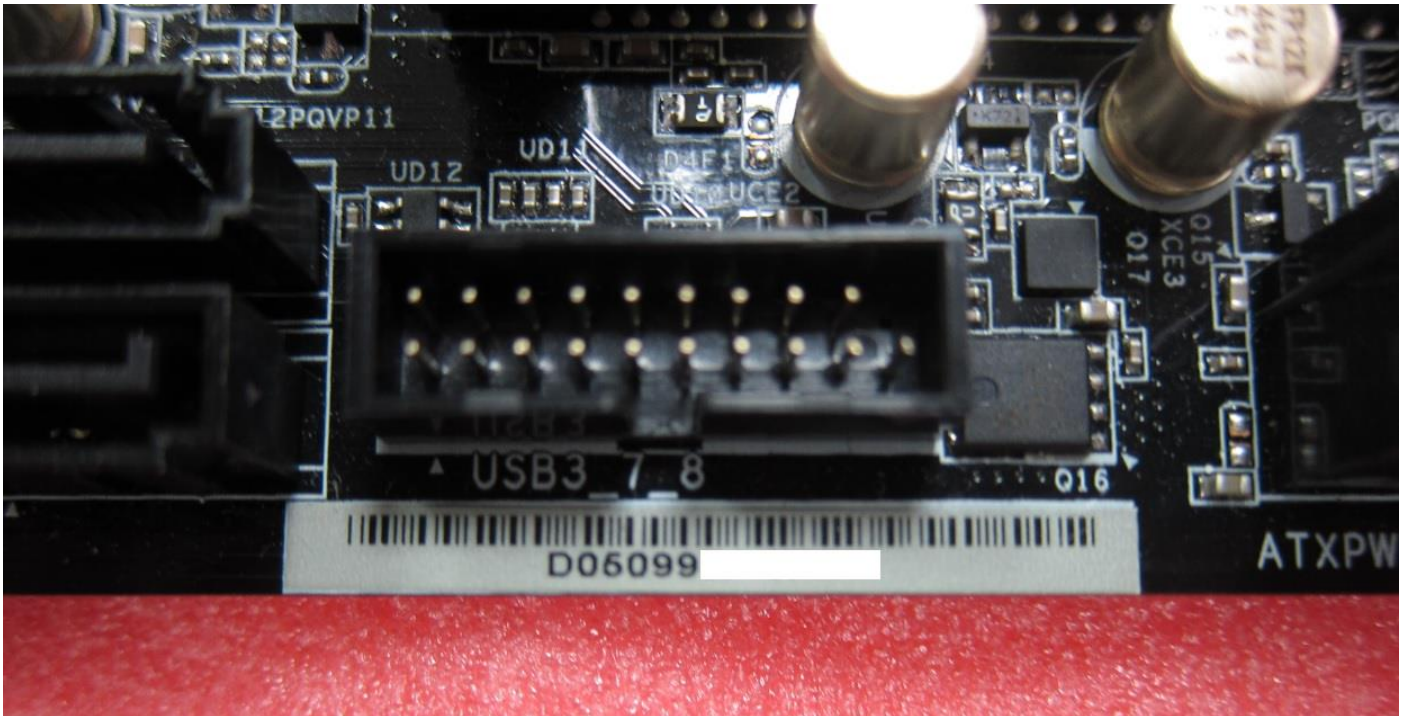
**A:** To support the Intel Broadwell-E CPU, please refer to the following table and update your BIOS version.

Download Link: <http://www.asrock.com/support/index.asp>

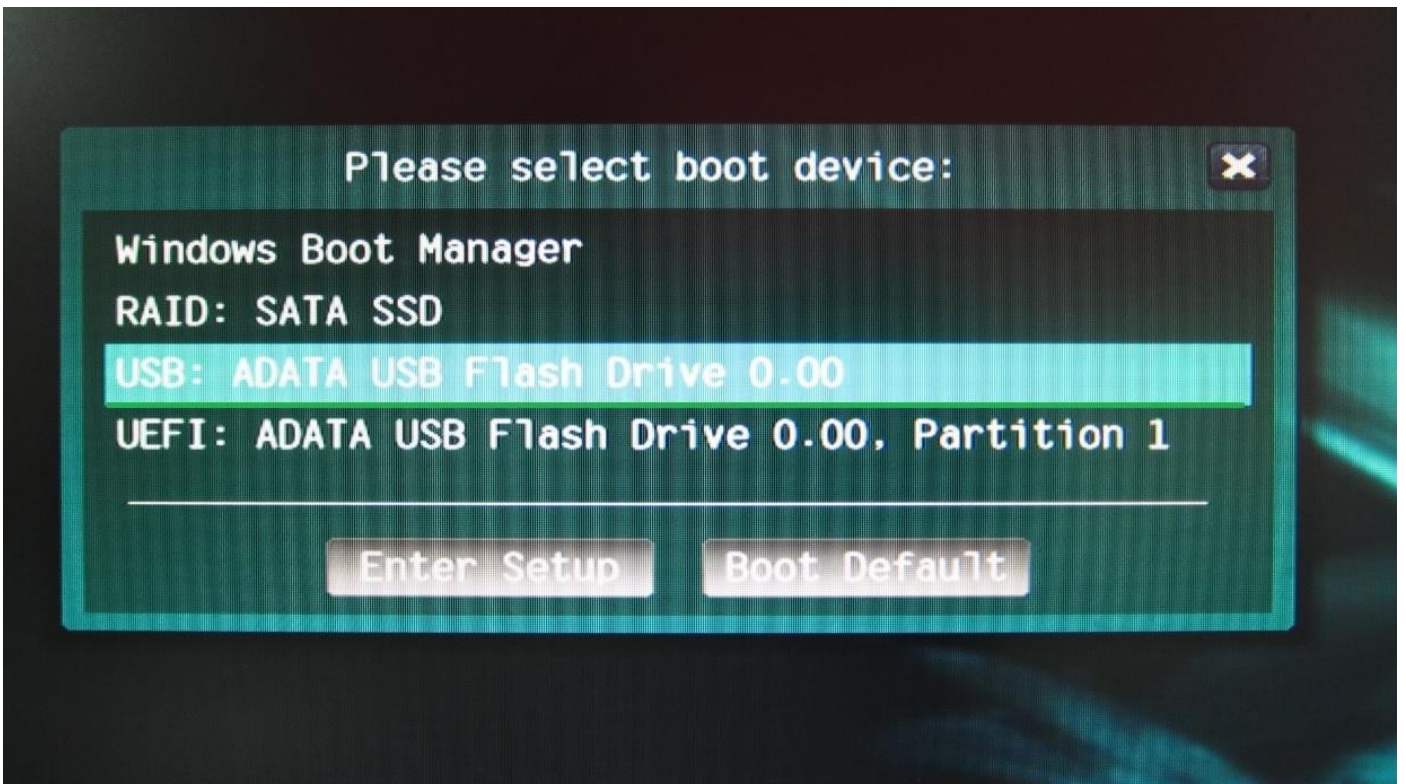
Model	BIOS Version
X99 Extreme11	P3.00
X99 Extreme6	P3.00
X99 Extreme6/3.1	P3.00
X99 Extreme4	P3.30
X99 Extreme4/3.1	P3.00
X99 Extreme3	P3.30
X99 OC Formula	P3.00
X99 OC Formula/3.1	P3.20
X99 Professional	P3.10
X99 Professional/3.1	P3.20
X99E-ITX/ac	P3.10
X99M Killer	P3.00
X99M Killer/3.1	P3.30
X99X Killer	P3.00
X99X Killer/3.1	P3.00
X99 WS-E/10G	P3.00
X99 WS-E	P3.00
X99 WS	P3.10

## How to Write MAC Address of Your Motherboard?

1. Please open the chassis and you can find a white sticker at the edge of board with 12-digit MAC ID.



2. Download the MAC tool form following link : <http://www.asrock.com/support/download/mactool.asp>
3. Extract (Unzip) the file as "MAC161B" folder then put entire folder into a bootable USB flash drive root directory.
4. Boot up system than press [F11] to enter the Boot Menu, select your USB Flash, afterwards.



5. Under DOS environment, please key in the command as follow:

`Cd MAC161B` <press Enter>

`MAC C XXXXXXXXXXXX` <press Enter>

(XXXXXXXXXXXX is MAC Address; please refer to the step1 to check the MAC Sticker)

```
Microsoft(R) Windows 98
(C)Copyright Microsoft Corp 1981-1999.

C:\>cd MAC161B

C:\MAC161B>MAC C D05099XXXXXX
0xD050997DCC37 -> LAN1 = 0x00 0x1f 0x02 -
LanInfo.LanDeviceCount = 1
MacString = D050997DCC37
Mode=0
-
```

6. After Key in the instruction, the system will flash MAC address automatically.

```
NIC Bus Dev Fun Vendor-Device Branding str
=== === === === =====
1 0 31 06 8086-15B8 Intel(R) Eth

1: Reading Input File...
1: Updating Mac Address to D05099XXXXXX..
1: Updating Checksum and CRCs...Done.
status=0

C:\MAC161B>
```

7. When "Done" showing, the MAC address already been flash successfully.

You can reboot the system into OS.