# ZSUS

Motherboard installation instructions

Install Memory

When you install the CPU, make sure that the CPU you are using has anti-overheating chips.

1. There is only one gap in the center of the memory module, and the memory will be correctly installed into the slot.
2. Insert the memory module vertically into the DIMM slot, and push it in until the gold finger of the memory module is fully inserted. When the memory module is fully in place, the plastic bayonet on both sides will automatically close. If you insert the memory correctly, Nini will not see the goldfinger part.
3. Manually check whether the memory module is locked by the slot clip.
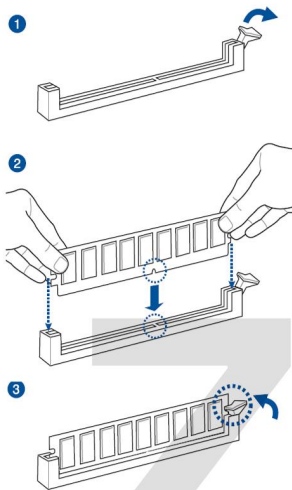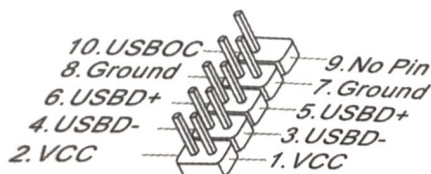
Notice

F_PANEL/SKEAKER:Front panel interface:

The mainboard provides links to the chassis panel and indicators.
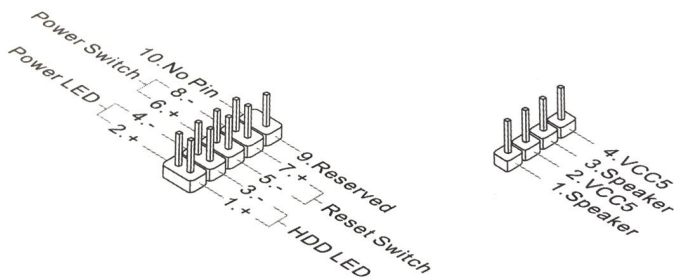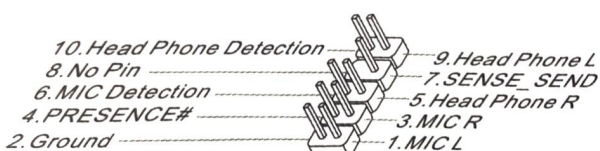
F_USB1/F_USB2 Insert Pin:

This interface is compatible with the I/O front panel connection specifications.
It can connect to the high-speed USB peripheral interface.
Such as USB HDD, digital camera, MP3 player, printer, debugging demodulator, etc.

Audio：Front panel audio interface:

This interface can connect front panel audio.

Installing cpus and fans

When installing a CPU, ensure that the CPU is in good condition and the mainboard pins are correct.
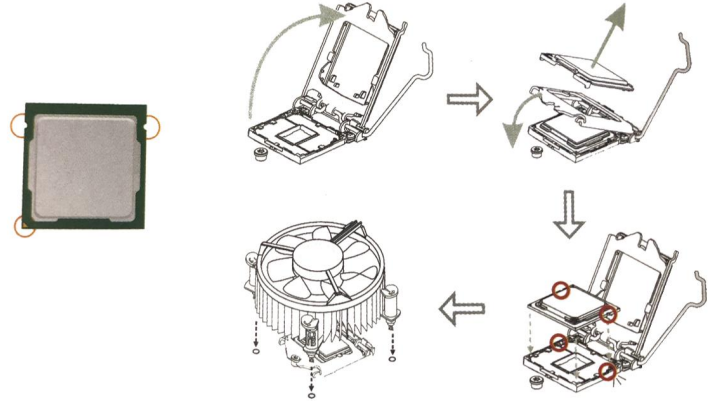
1. Open the nail hook.
2. Pull the rod to the fully open position.
3. Remove the plastic cover, insert the CPU into the slot, and hold the bottom edge of the CPU tightly. Note that it must correspond to CPU notch.
4. Gently press the tie rod against the bearing plate and close the tie rod.
5. Hook the pressure rod with the hook on the side of the base.
6. Before installing the fan, ensure that the four nails are properly installed. Align the mounting holes on the fan and mainboard. Press the fan down hard until the four nail hooks are jammed into the four holes on the motherboard.
7. Press down the four nail hooks to secure the fan. Flip the motherboard to determine if the four nail hooks have been inserted correctly.
8. Connect the power cable of the CPU fan to the power port of the CPU fan on the mainboard.

Notice

As long as the CPU is not installed, put a plastic protective cover over the CPU slot to avoid damage to the slot.

The contents of this manual are for reference only, and the statements and information in this manual do not constitute any form of guarantee.

CPUFAN,SYSFAN1：Fan power interface

The fan power port supports +12V system cooling fans. If your motherboard has an integrated system hardware monitoring chip, you must use a specially designed fan that supports fan speed detection to use the CPU fan control feature. Remember to connect all system fans, some system fans may not connect to the motherboard, you can connect directly to the power supply. The system fan can be plugged into any available system fan port.
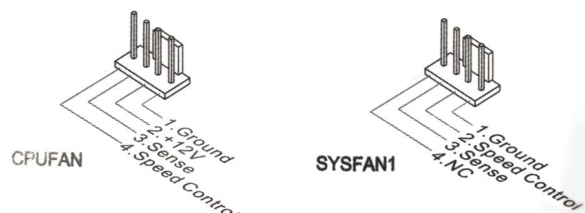
BIOS Settings

After powering up the computer, the system will begin the POST (power-on self-test) process. When the following information appears on the screen, press the <DEL> key to enter the Bios setup program. X99 Press <F7> to enter the USB flash drive for quick boot.

Press DEL to enter SETUP

If this information disappears as soon as you react and you still need to enter Setup, shut down and restart the system by pressing the RE SET key on the chassis. You can also restart your system by pressing the <Ctrl>, <Alt>, and <Delete> keys at the same time.

Main Page Use this menu to provide basic system configuration such as time, date, etc.

```
         Aptio Setup Utility Copyrigty(C) 2011 American Megatrends,Inc.
   Main   Advanced   Chipset   Boot   Security   Save&Exit

 Bios Information                                        Set the Date.Use Tab to
 Bios Vendor             American Megatrends             switch between Date elements
 Core Version            4.6.5.3
 Compliency              UEFI 2.3;PI 1.2
 Project Version         H** Ver:1.0
 Build Date and Time     **/**/20** **:**:**

 SandyBridge
 Inter(R) Core(TM) i5-2500K CPU @ 3.30GHz
 Frequency               3300 MHz                        →←: Select Screen
                                                         ↑↓: Select Item
                                                         Enter: Select
 Total Memory            2048 MB (DDR3)                  +/-: Change Opt
 Memory Frequency        1333 Mhz                        F1: General Help
                                                         F7: Previous Values
                                                         F9: Optimized Defaults
 System Date             [mm:dd:yy]                      F10: Save & Exit
 System Time             [hh:mm:ss]                      ESC: Exit
```

Advanced: Use this menu to set the options for BIOS special enhancements
< Hard Disk Quick Boot Steps >

```
         Aptio Setup Utility Copyrigty(C) 2011 American Megatrends,Inc.
   Main   Advanced   Chipset   Boot   Security   Save&Exit

 ▶ PCI Subsystem Settings                                SATA Device Options Settings
 ▶ ACPI Settings
 ▶ CPU Configuration
 ▶ SATA Configuration
 ▶ Info Report Configuration
 ▶ USB Configuration
 ▶ Super IO Configuration
 ▶ CPU PPM  Configuration
                                                         →←: Select Screen
                                                         ↑↓: Select Item
                                                         Enter: Select
                                                         +/-: Change Opt
                                                         F1: General Help
                                                         F7: Previous Values
                                                         F9: Optimized Defaults
                                                         F10: Save & Exit
                                                         ESC: Exit
```
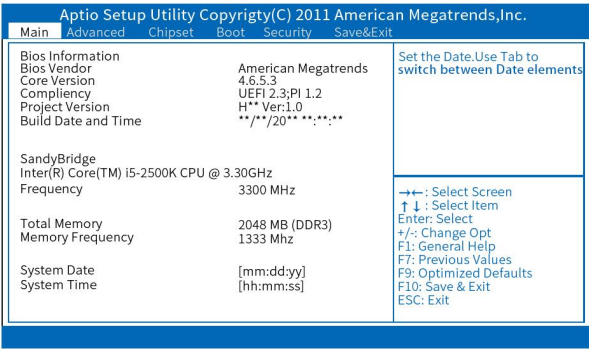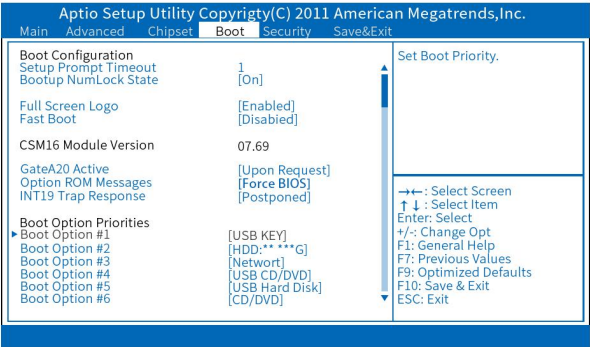
```
         Aptio Setup Utility Copyrigty(C) 2011 American Megatrends,Inc.
   Main   Advanced   Chipset   Boot   Security   Save&Exit

 SATA Controller(s)              [Enabled]               Determines how SATA
 ▶ SATA Mode Selection           [AHCI]                  controller(s) operate.
 SATA Test Mode                  [Disabied]
 Aggressive LPM Support          [Enabled]
 SATA Controller Speed           [Gen3]
 Software Feature Mask Configuration

 Serial ATA Port 0               Empty
   Software Preserve             Unknown
   Port 0                        [Enabled]               →←: Select Screen
   Hot Plug                      [Disabied]              ↑↓: Select Item
   External SATA                 [Disabied]              Enter: Select
   SATA Device Type              [Hard Disk Driver]      +/-: Change Opt
   Spin Up Device                [Disabied]              F1: General Help
 Serial ATA Port 1               Empty                   F7: Previous Values
   Software Preserve             Unknown                 F9: Optimized Defaults
   Port 1                        [Enabled]               F10: Save & Exit
   Hot Plug                      [Disabied]              ESC: Exit
   External SATA                 [Disabied]
```

```
         Aptio Setup Utility Copyrigty(C) 2011 American Megatrends,Inc.
   Main   Advanced   Chipset   Boot   Security   Save&Exit

 SATA Controller(s)              [Enabled]               Determines how SATA
 ▶ SATA Mode Selection           [AHCI]                  controller(s) operate.
 SATA Test Mode                  [Disabied]
 Aggressive LPM Support          [Enabled]
 SATA Controller Speed           [Gen3]
 Software Feature Mask Configuration
                           ┌─── SATA Mode Selection ───┐
 Serial ATA Port 0         │ IDE                       │
   Software Preserve       │ AHCI                      │
   Port 0                  │ RAID                      │
   Hot Plug                └───────────────────────────┘
   External SATA                                         →←: Select Screen
   SATA Device Type              [Hard Disk Driver]      ↑↓: Select Item
   Spin Up Device                [Disabied]              Enter: Select
 Serial ATA Port 1               Empty                   +/-: Change Opt
   Software Preserve             Unknown                 F1: General Help
   Port 1                        [Enabled]               F7: Previous Values
   Hot Plug                      [Disabied]              F9: Optimized Defaults
   External SATA                 [Disabied]              F10: Save & Exit
                                                         ESC: Exit
```

Boot: Use this menu to set USB drive boot options

```
         Aptio Setup Utility Copyrigty(C) 2011 American Megatrends,Inc.
   Main   Advanced   Chipset   Boot   Security   Save&Exit

 Boot Configuration                                      Set Boot Priority.
 Setup Prompt Timeout            1
 Bootup NumLock State            [On]

 Full Screen Logo                [Enabled]
 Fast Boot                       [Disabied]

 CSM16 Module Version            07.69

 GateA20 Active                  [Upon Request]
 Option ROM Messages             [Force BIOS]            →←: Select Screen
 INT19 Trap Response             [Postponed]             ↑↓: Select Item
                                                         Enter: Select
 Boot Option Priorities                                  +/-: Change Opt
 ▶ Boot Option #1                [USB KEY]               F1: General Help
   Boot Option #2                [HDD:** ***G]           F7: Previous Values
   Boot Option #3                [Networt]               F9: Optimized Defaults
   Boot Option #4                [USB CD/DVD]            F10: Save & Exit
   Boot Option #5                [USB Hard Disk]         ESC: Exit
   Boot Option #6                [CD/DVD]
```