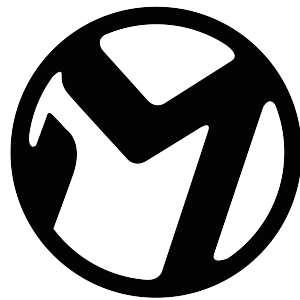


MAXSUN MOTHERBOARD USER MANUAL



MAXSUN

- 1. Statement**
- 2. Onboard Pins and Interfaces**
- 3. Back I/O**
- 4. BIOS**

1. Statement

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About this manual:

This manual is suitable for beginners. Including related product feature introduction, hardware installation and driver software installation introduction. And the explanation of some terms can also be used as technical reference materials.

FCC terms:

For a Class B digital device or peripheral, the instructions furnished the user shall include the following or similar statement, placed in a prominent location in the text of the manual:

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the

following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio / TV technician for help.

Warning:

In order to ensure that this device complies with the above regulations, please make sure that the appearance of this device is intact. Without explicit consent, users cannot make any changes or modifications to this device.

CSC terms:

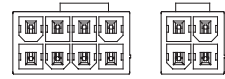
According to the Radio Interference Regulation established by the Canadian Department of Communications, this equipment has been comply with the limits for a Class B digital device.

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2. Onboard Pins and Interfaces

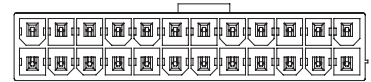
2.1 ATX 4/8 pin

For CPU power supply



2.2 ATX 24 PIN

For motherboard power supply



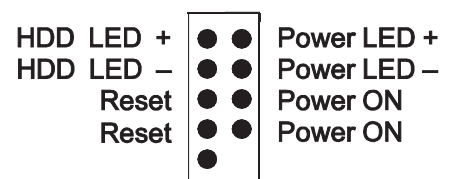
2.3 F_panel

Power On

Reset

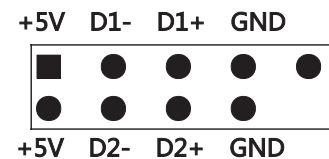
HDD LED: Do not reverse the positive and negative

Power LED: Do not reverse the positive and negative



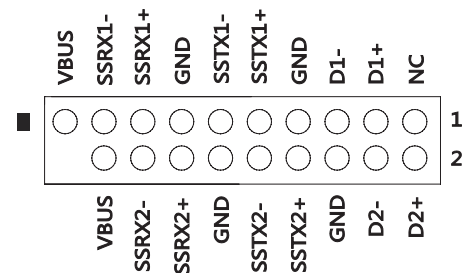
2.4 USB2.0

Front USB2.0 pin



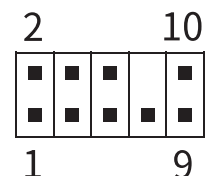
2.5 USB3.0

Front USB3.0 pin



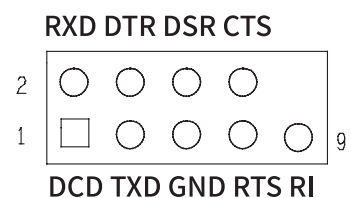
2.6 Audio

Front audio pin, support AC97 and D audio



2.7 COM_A

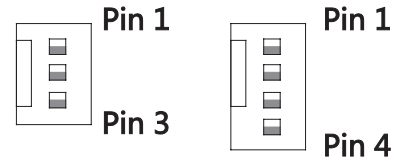
Onboard serial output



2.8 Fan 3/4 pin

Fan pin

(3 pin: full speed; 4 pin: support PWM speed regulation)



2.9 CLR_CMOS

For clear BIOS setting



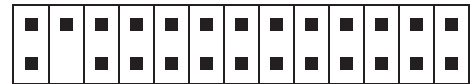
2.10 Speaker

For power-on fault detection,
the first pin on the left is the positive pole



2.11 LPT

For old printer connection



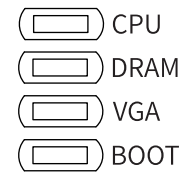
2.12 Debug LED

Some come with Debug LED

Self-test: CPU-DRAM-VGA-BOOT(light up in sequence)

Light off: Self-test successful

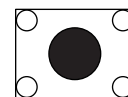
Light on: Self-test unsuccessful



2.13 Key

Some boards come with onboard button

CLR_CMOS OR POWER button



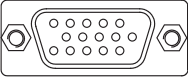
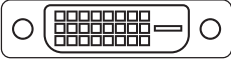
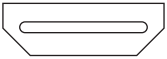

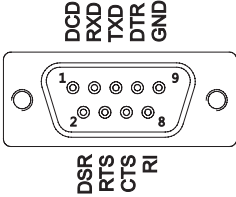
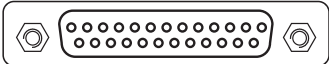
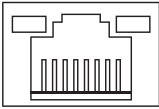
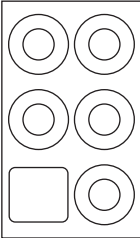


2.14 USB3.0 Type-C

Some boards have front USB3.0 Type-C pin



3. Back I/O

<p>3.1 PS2</p>  <p>Green for mouse Purple for keyboard</p>	<p>3.2 USB</p>  <p>Blue: USB3.0 Black: USB2.0 Oval: Type-C</p>
<p>3.3 VGA (D-sub)</p> 	<p>3.4 DVI</p> <p>Not support direct conversion to VGA signal</p> 
<p>3.5 HDMI</p> <p>Support 4K</p> 	<p>3.6 DP</p> <p>Support 4K</p> 
<p>3.7 COM</p> 	<p>3.8 LPT</p> <p>Printer interface</p> 
<p>3.9 RJ45</p> <p>Ethernet port</p> 	<p>4.0 Audio</p> <p>Green: Line out Black: Rear Blue: Line in Orange: C/SUB Red: Mic Square: Spdif out</p> 

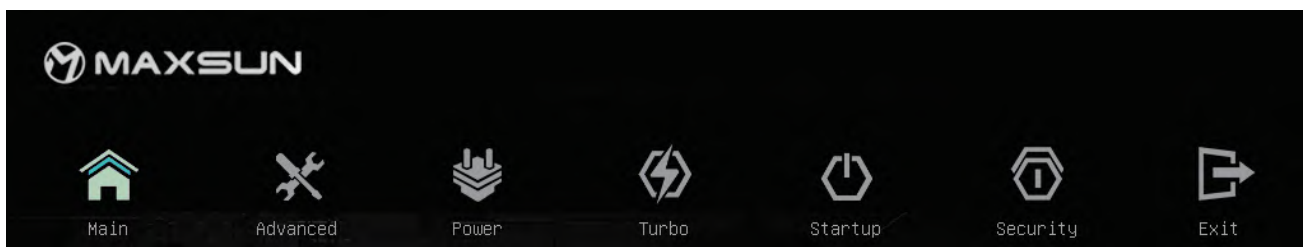
4. BIOS

BIOS Operation Instructions

- a. Reboot your computer
- b. Press the key repeatedly

<↑>/< ↓ >	UP and DOWM
<→>/< ← >	Right and Left
<Enter>	Choose a value
<+>/<->	Change value
<F1>	Topic help
<F7>	Discard changes
<F9>	Load pre-optimized setting value
<F10>	Save and exit
<F12>	Screenshot
<ESC>	Exit

Main Menu



4. BIOS

BIOS and Drivers Update: http://www.maxsun.com.cn/down/mb/AMD_en/

H/W Monitor

H/W Monitor-support CPU temperature, fan speed, voltage monitor,
Smart Fan Control- support full-speed and PWM mode

The screenshot shows the BIOS interface with two panels. The left panel displays 'Pc Health Status' with the following data:

Item	Value
CPU temperature	: 36 °C
SYS temperature	: 32 °C
CPU_FAN1 Speed	: 565 RPM
SYS_FAN1 Speed	: N/A
SYS_FAN2 Speed	: N/A
SYS_FAN3 Speed	: N/A
CPU Vcore	: +0.856 V
+12V	: +12.192 V
+5V	: +5.200 V
+1.05V	: +1.062 V
VBAT	: +3.200 V

The right panel shows 'Smart Fan function setting' with the following data:

CPU Temperature	: 36°C
CPU Fan Speed	: 563 RPM
Intended CPU Speed	: 3200 Mhz
CPU VCore	: 0.856 V
Memory Frequency	: 2400 Mhz
DIMM Vcore	: 1.238 V
Memory Timing	: 15-15-15-35

Starup

Flash Write Protect BIOS-switch off when updating BIOS

CSM Support-Compatible with the old boot mode. Recommended to open

The screenshot shows the BIOS interface with two panels. The left panel displays 'Boot Configuration' with the following data:

Item	Value
Setup Prompt Timeout	1
Bootup NumLock State	[On]
Boot Menu	[Enabled]
Full Screen Logo Show	[Enabled]
BIOS Write Protection	[Enabled]
Fast Boot	[Disabled]
CSM Support	[Disabled]

The right panel shows 'Smart Fan function setting' with the following data:

Number of seconds to wait for setup activation key. 65535(0xFFFF) means indefinite waiting.	
CPU Temperature	: 36°C
CPU Fan Speed	: 564 RPM
Intended CPU Speed	: 3200 Mhz
CPU VCore	: 0.920 V
Memory Frequency	: 2400 Mhz
DIMM Vcore	: 1.238 V
Memory Timing	: 15-15-15-35

No DISK (PXE)

PXE Function Support- for diskless boot

UEFI Network Stack- for UEFI diskless boot



Power Management

Wake On PME-wake-on LAN switch(set in the system at the same time to take effect)

Restore AC Power Loss-power-on, power-off or last state

