

Troubleshooting and fixing the 'BIOS checksum Error' on your computer.

There are many reasons for the 'BIOS checksum Error', such as: a faulty power supply circuit for the CMOS, an outdated BIOS, or a dead battery, etc. In the article below, TipsMake will share with readers how to fix the 'BIOS checksum Error' on their computer.

CMOS is where computer settings for hardware parameters are stored. However, for various reasons, the BIOS may display an error during startup, causing significant difficulties because this error is related to computer hardware. In the previous article, you learned how to handle "BIOS checksum errors".

BIOS checksum Error

Instructions on how to fix the "BIOS checksum Error" on your computer.

The "BIOS checksum Error" appears when you encounter an error during computer startup, as shown in the image below:

```
Initializing USB Controllers .. Done.
16384MB OK
USB Device(s): 1 Mouse, 1 Storage Device
Auto-Detecting IDE Primary Master...ATAPI CDROM
Auto-Detecting SATA5...Hard Disk
Auto-Detecting SATA3...Hard Disk
IDE Primary Master : PIONEER DVD-RW DUR-112D 1.15
Ultra DMA Mode-4
SATA5 : Hitachi HDS722020ALA330 JKA0A20M
Ultra DMA Mode-6, S.M.A.R.T. Capable and Status
SATA3 : Hitachi HDS722020ALA330 JKA0A20M
Ultra DMA Mode-6, S.M.A.R.T. Capable and Status
Auto-detecting USB Mass Storage Devices ..
Device #01 : LEXAR JD LIGHTNING II
01 USB mass storage devices found and configured.

CMOS Checksum Bad
Press F1 to Run SETUP
Press F2 to load default values and continue
```

The power supply circuit for the CMOS is faulty.

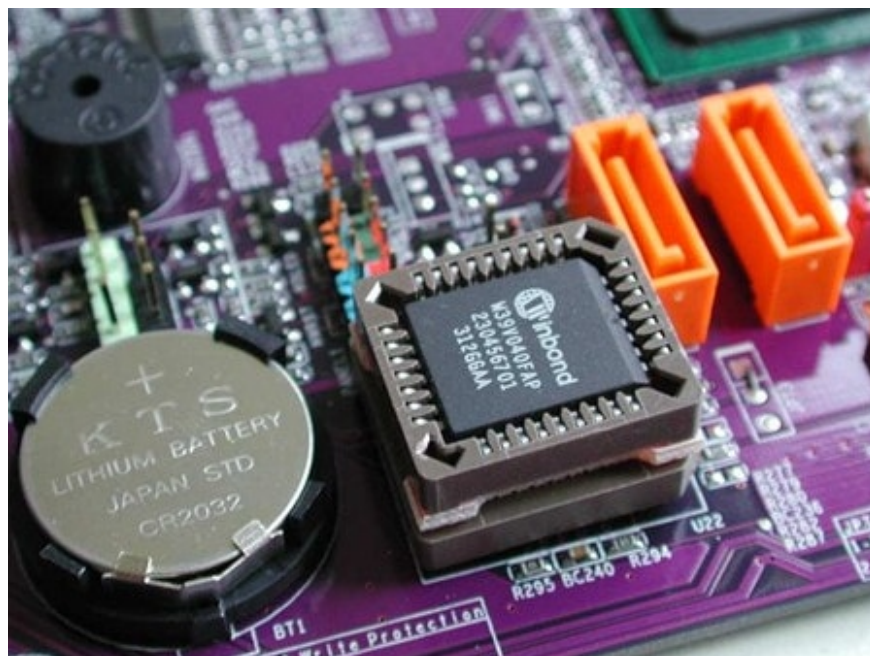
When this happens, you need to replace the power supply circuit for the CMOS or use a soldering iron to repair it. This is only for professional technicians; otherwise, you'll have to go to a repair shop to have them fix it.



Due to outdated BIOS

This case is much simpler. When you encounter a checksum error, you can replace or upgrade the BIOS, and the error will be resolved immediately. Simply go to the motherboard manufacturer's website, download the latest BIOS version, and update your computer.

Due to the battery on the motherboard



The battery is a small power source attached to the computer's motherboard. Its function is to supply power to the system and some diodes while the computer is still running. Therefore, when the battery is dead, it will display a **checksum** error immediately upon startup, which you can easily recognize. Your task is to buy a new battery and replace it. The replacement process is quite simple; you just need to disassemble the computer, remove the old battery from the motherboard, and insert the new one. Then, restart the computer.

Tip: You can refer to the article.

Above are all the causes and solutions for the BIOS checksum error that you can completely fix when you encounter this error while using your computer.

Image source: Internet

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