



How to Upgrade RAM Memory On Your ASUS CM6870 Desktop PC and Run BIOS Upgrade

How to install RAM memory to optimize and speed up your desktop PC.

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crucial by Micron

store memory solid state drives community support

ASUS > ASUS Desktops > CM6870

ASUS CM6870 compatible upgrades

These upgrades are guaranteed compatible when you order from Crucial.com

compatible compatible

memory **solid state drive**

Your scanner ID: 7273598E31D926C3
[save my scan](#) | [share my scan](#)

Notes about your system:
Although the memory can be installed one module at a time, the best performance comes from using matched pairs of modules.

Your ASUS CM6870
system specs as shipped
 memory
Maximum memory: 16384MB
Slots: 4 (2 banks of 2)
*Not to exceed manufacturer supported memory.

[what does this mean?](#)

Compatible Memory sort ▾

	4GB DDR3 PC3-12800 Unbuffered NON-ECC 1.35V 512Meg x 64	\$25.99
compatible	CT3576527 DDR3 PC3-12800 • 9-9-9-24 • Unbuffered • NON-ECC • DDR3-1600 • 1.35V • 512Meg x 64 • Low Profile • upgrade for ASUS CM6870 system.	qty 1
compatible	4GB DDR3 PC3-12800 Unbuffered NON-ECC 1.5V 512Meg x 64 CT41160042	\$27.99 qty 1

[view more compatible memory upgrades](#)

storage

INTRODUCTION

[video: https://www.youtube.com/watch?v=yWDCPcsb_To]



PARTS:

- [Compatible Replacement \(1\)](#)

Step 1 — Scan Your Machine for Space and Compatible Hardware

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CT3576527
DDR3 PC3-12800 • 9-9-9-24 • Unbuffered • NON-ECC • DDR3-1600 • 1.35V • 512Meg x 64 • Low Profile •
upgrade for ASUS CM6870 system.

4GB DDR3 PC3-12800 Unbuffered NON-ECC 1.35V 512Meg x 64

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- I upgraded from a default 8GB RAM to 16GB after installing 2 4GB Memory cards that I bought from Crucial. Scan Your Machine For Compatible Memory to Purchase <https://www.crucial.com/>

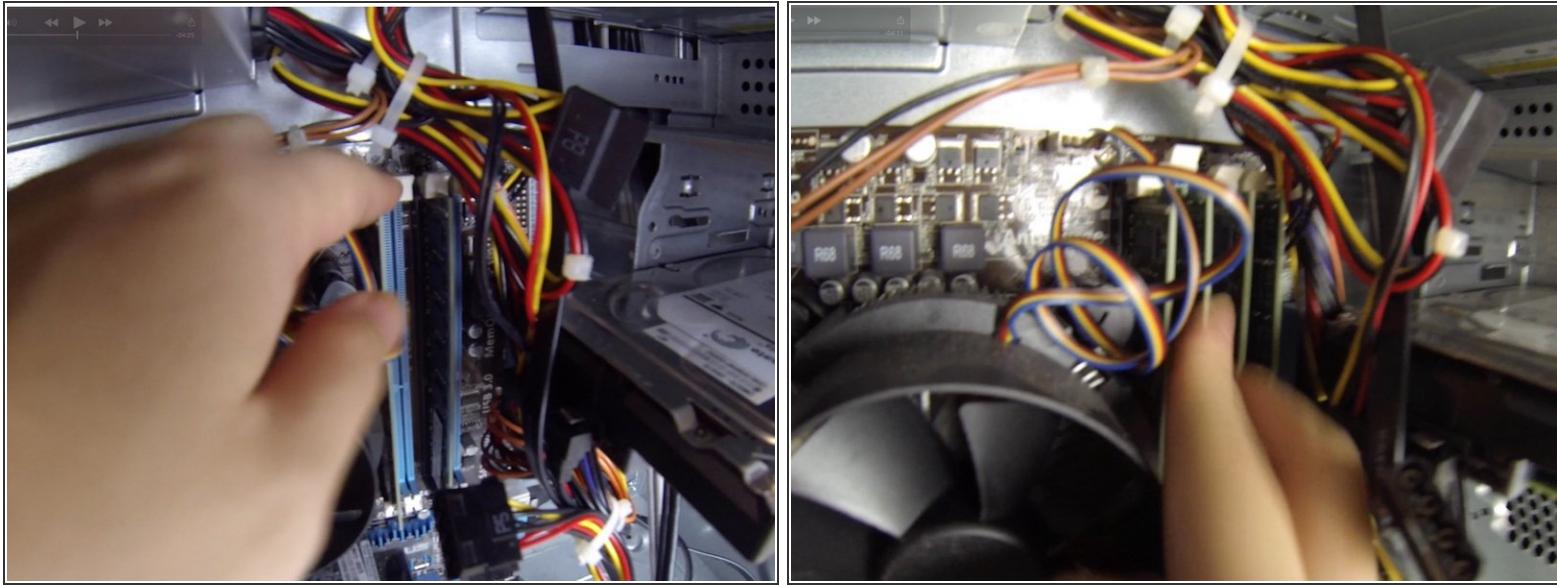
- Order appropriate compatible parts.

Step 2 — Turn off PC and Open the Body



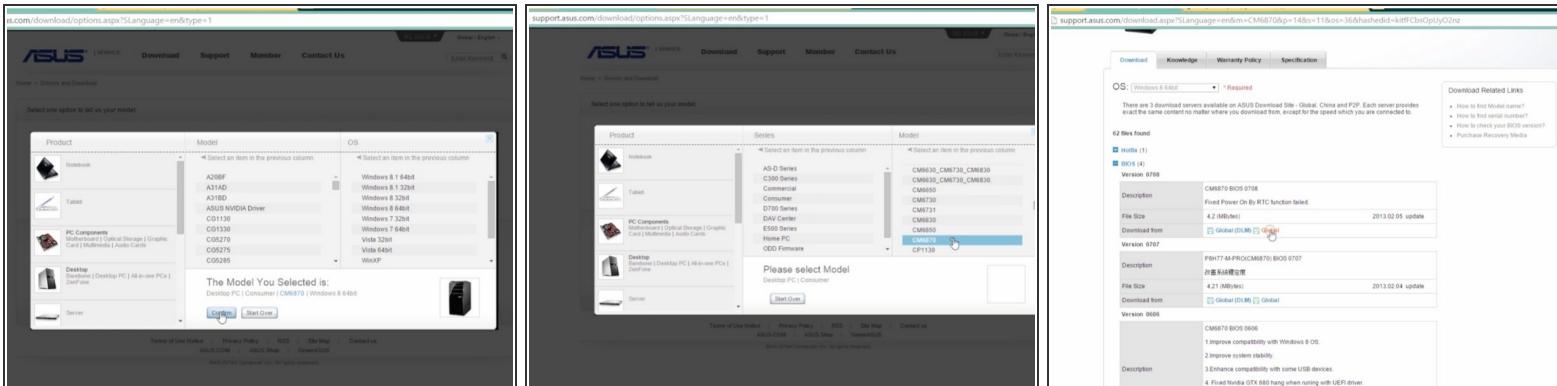
- Turn off your computer and unplug power cords.
- Slide Open Your PC to install the memory.

Step 3 — Insert the Memory



- Open your PC and unlock the slots. Insert the memory cards and lock the white end locks.

Step 4 — If Your System Does Not Recognize the Memory, Take it Out, Restart, and Download the BIOS Upgrade



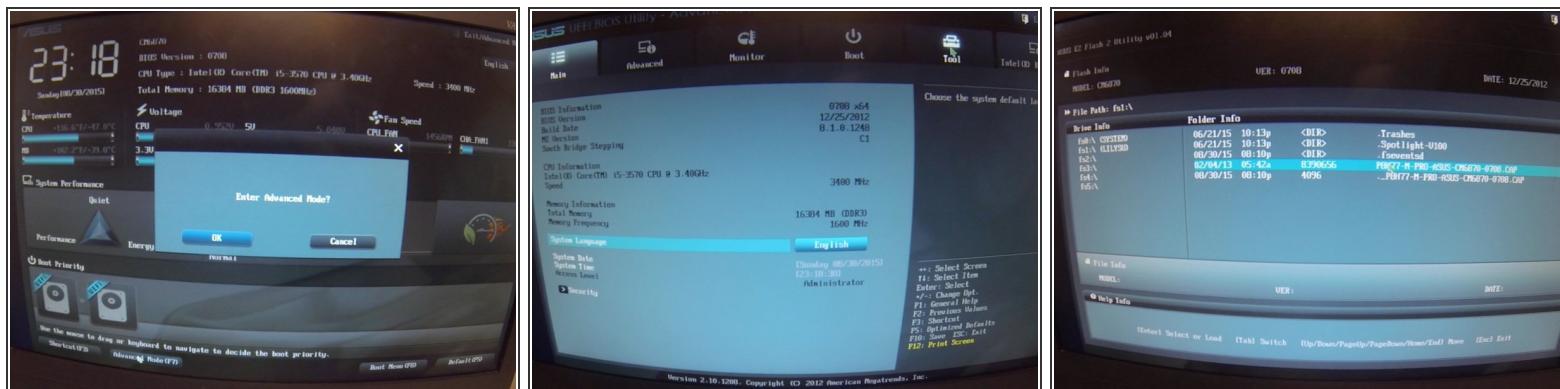
- After I snapped in the new parts, my computer could not fully boot up, so I took the components out, restarted my computer, and downloaded the latest BIOS Upgrade for my PC to a flash drive.
- Download BIOS Upgrade <http://support.asus.com/download>
- Manually find your computer and operating system. Download the latest BIOS Upgrade.

Step 5 — Run Your BIOS Upgrade



- Unzip the downloaded BIOS Upgrade
- Save the file to a USB
- Restart your computer. Press **DELETE** really fast to get to your BIOS settings.

Step 6 — BIOS Upgrade Screenshots Continued I



- Advanced Settings > Tools > USB > the file you just put into the flash drive

Step 7 — BIOS Upgrade Screenshots Continued II



- Click 'OK' to run the file in your USB for the BIOS Upgrade.
- Once you run your BIOS upgrade, you will be directed to a new screen that lists the hardware you are connected to.
- Press F1 for setup

Step 8



- After you pressed F1 for Setup, you'll be directed to the BIOS settings again. Double check your startup disks are in the right priority for boot. Drag and drop to correct order.

Step 9 — Restart And Double Check Your Memory

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Storage
Storage: SATA 3 - 6Gb/s
External drive bay: 2 x 5.25" Internal drive bay: 4 x 3.5"

Compatible Memory

Memory Type	Capacity	Price	Action
4GB DDR3 PC3-12800 Unbuffered NON-ECC 1.35V 512Meg x 64	CT3576527	\$25.99	add to cart
4GB DDR3 PC3-12800 Unbuffered NON-ECC 1.35V 512Meg x 64	CT3576527	\$27.99	add to cart

view more compatible memory upgrades

Compatible SSDs

- Exit BIOS to restart, and you should be good to go with your optimum memory.