



# 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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The screenshot shows the Crucial website's 'ASUS CM6870 compatible upgrades' page. The page features a navigation bar with links to 'store', 'memory', 'solid state drives', 'community', and 'support'. A search bar is located in the top right corner. The main heading is 'ASUS CM6870 compatible upgrades', with a subtext stating 'These upgrades are guaranteed compatible when you order from Crucial.com'. Below the heading, there are two main categories: 'memory' and 'solid state drive', each with a 'compatible' badge. A 'Your scanner ID' box displays '7273598E31D926C3' with options to 'save my scan' or 'share my scan'. A green box contains '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.' The 'Your ASUS CM6870 system specs as shipped' section shows 'memory' with 'Maximum memory: 16384MB' and 'Slots: 4 (2 banks of 2)'. It includes a visual representation of the memory slots: two 4GB modules are installed, and two are empty. A note states '\*Not to exceed manufacturer supported memory.' Below this, there is a 'Compatible Memory' section with a 'sort' dropdown. It lists two memory options: '4GB DDR3 PC3-12800 Unbuffered NON-ECC 1.35V 512Meg x 64' for \$25.99 and '4GB DDR3 PC3-12800 Unbuffered NON-ECC 1.5V 512Meg x 64' for \$27.99. Both options include a 'compatible' badge, a 'CT' part number, and an 'add to cart' button. A 'view more compatible memory upgrades' link is at the bottom.

crucial by micron

search

store memory solid state drives community support

ASUS > ASUS Desktops > CM6870

100% compatible

## ASUS CM6870 compatible upgrades

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

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.

4GB 4GB Empty Empty

what does this mean?

storage

### Compatible Memory

sort

compatible 4GB DDR3 PC3-12800 Unbuffered NON-ECC 1.35V 512Meg x 64 \$25.99  
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.  
1 add to cart compare add to wish list

compatible 4GB DDR3 PC3-12800 Unbuffered NON-ECC 1.5V 512Meg x 64 \$27.99  
CT3140042  
1 add to cart

view more compatible memory upgrades

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## INTRODUCTION

[video: [https://www.youtube.com/watch?v=yWDCPcsb\\_To](https://www.youtube.com/watch?v=yWDCPcsb_To)]

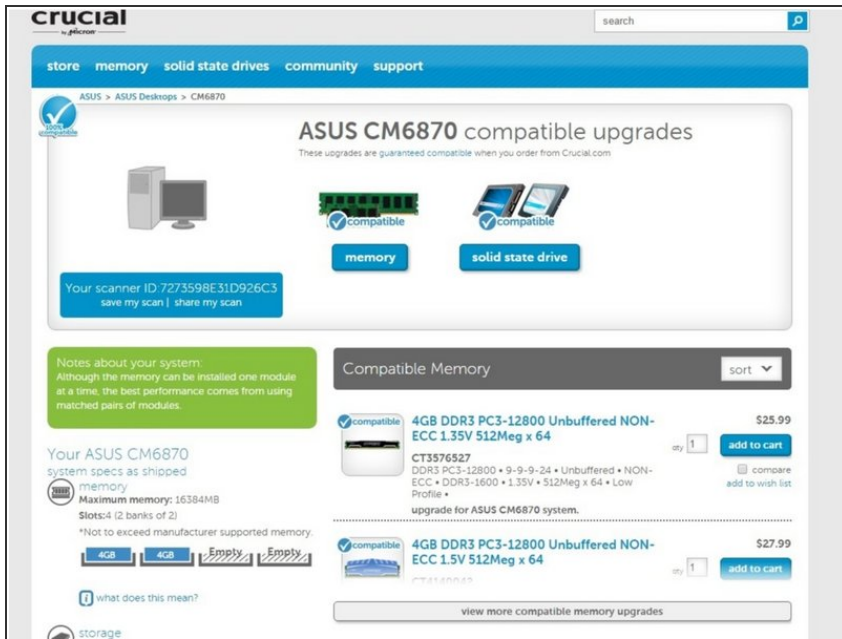
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### PARTS:

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

## Step 1 — Scan Your Machine for Space and Compatible Hardware



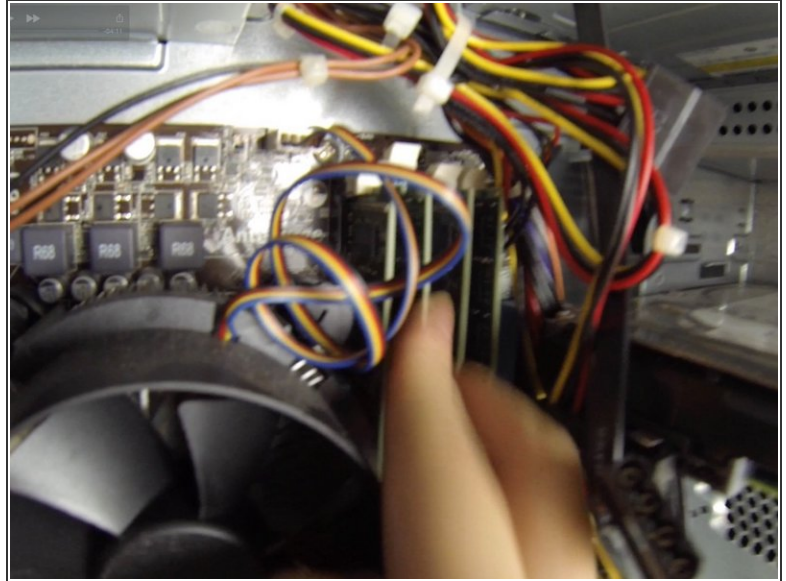
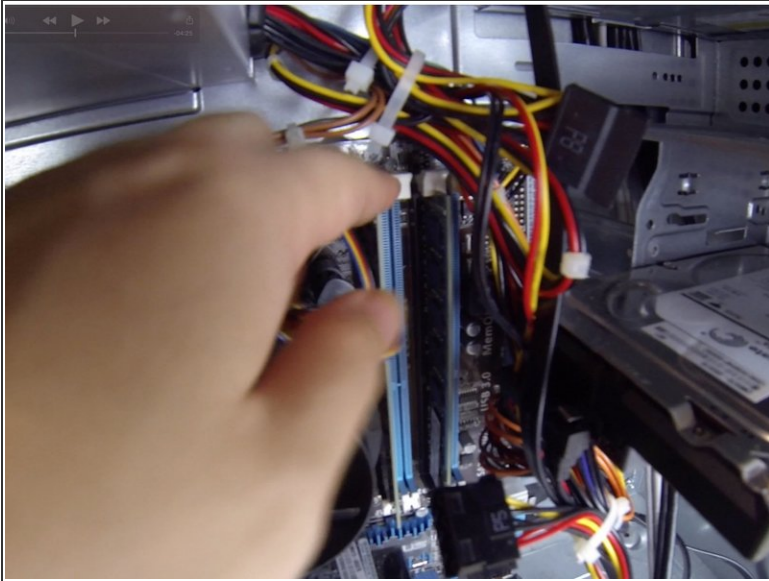
- I upgraded from a default 8GB RAM to 16GB after installing 2 4GB Memory cards that I bought from Crucial. Scan Your Machine For Compatible Memory to Purchase <https://www.crucial.com/>
- Order appropriate compatible parts.

## Step 2 — Turn off PC and Open the Body



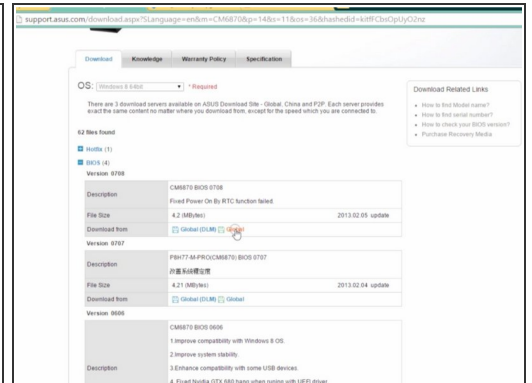
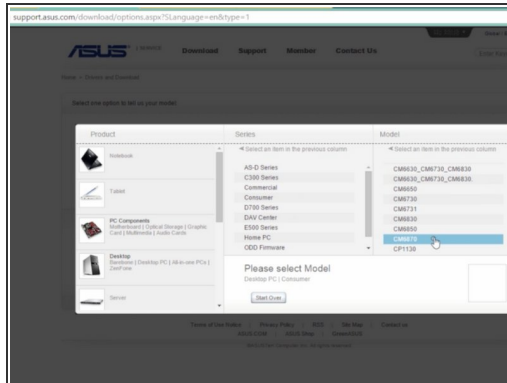
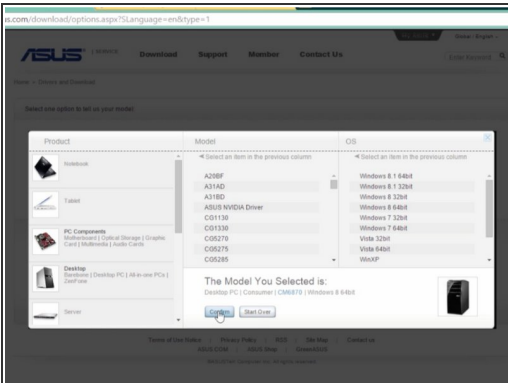
- Turn off your computer and unplug power cords.
- Slide Open Your PC to install the memory.

### Step 3 — Insert the Memory



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

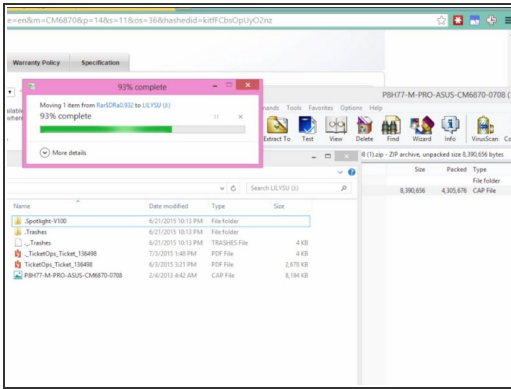
## Step 4 — If Your System Does Not Recognize the Memory, Take it Out, Restart, and Download the BIOS Upgrade



- 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.

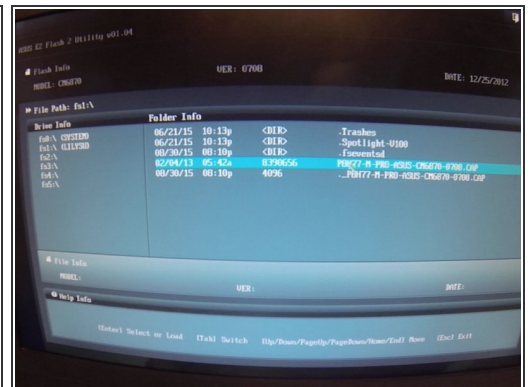
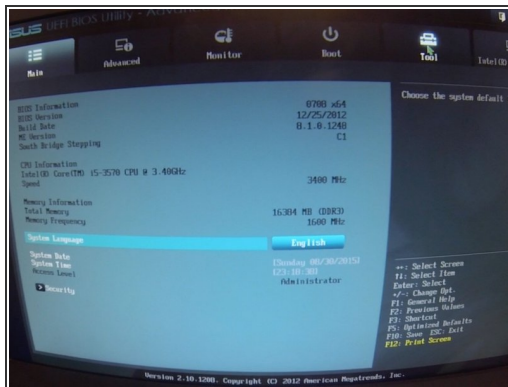
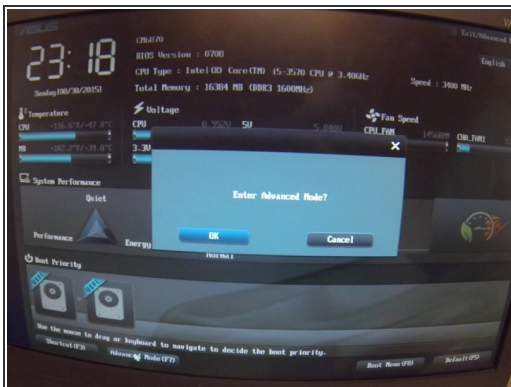


## Step 5 — Run Your BIOS Upgrade



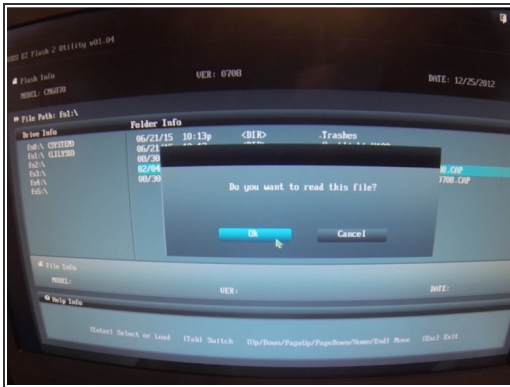
- Unzip the downloaded BIOS Upgrade
- Save the file to a USB
- Restart your computer. Press DELETE really fast to get to your BIOS settings.

## Step 6 — BIOS Upgrade Screenshots Continued I



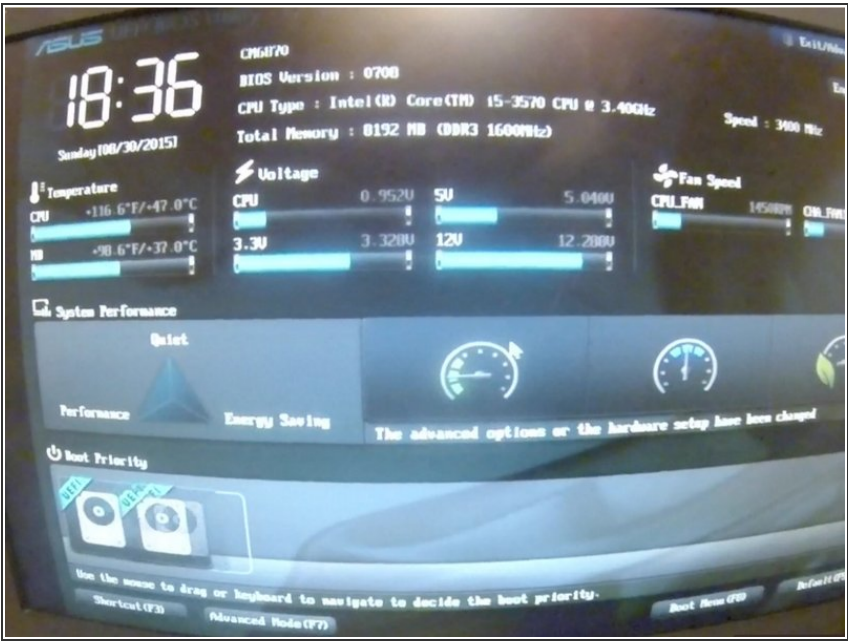
- Advanced Settings > Tools > USB > the file you just put into the flash drive

## Step 7 — BIOS Upgrade Screenshots Continued II



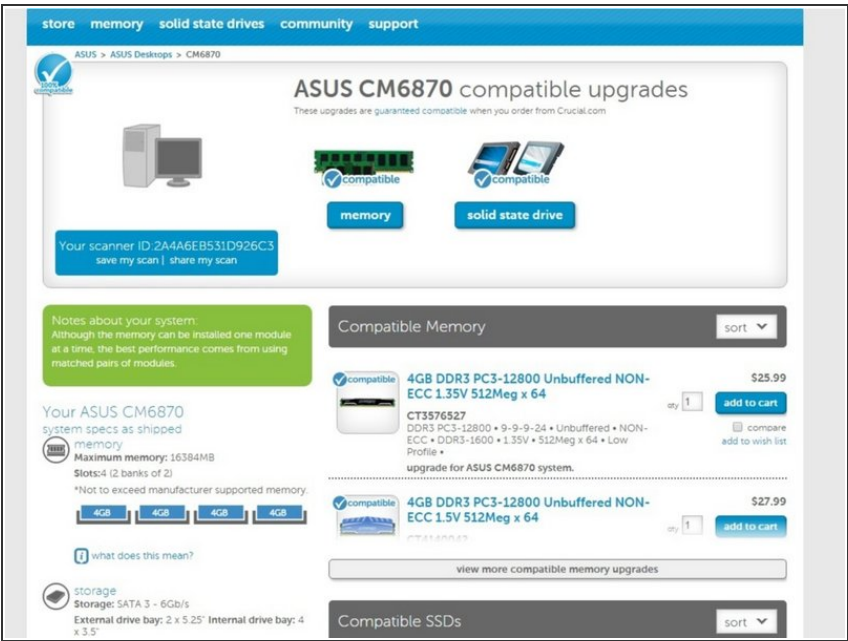
- Click 'OK' to run the file in your USB for the BIOS Upgrade.
- Once you run your BIOS upgrade, you will be directed to a new screen that lists the hardware you are connected to.
- Press F1 for setup

## 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



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