

# WHY YOU SHOULD INSTALL COMPUTER MEMORY

## NO NEED TO PANIC

It might seem tempting to take your computer to a repair shop and have a technician install new memory, but it will be costly – especially when you can install memory yourself in minutes. By installing your own memory, you'll save time and money, increase your confidence and learn a little about how your computer works in the process.



## WHAT IS COMPUTER MEMORY?

Technically speaking, computer memory is called Dynamic Random Access Memory (DRAM), a component in your computer that allows for short-term data access.



BROWSING THE WEB



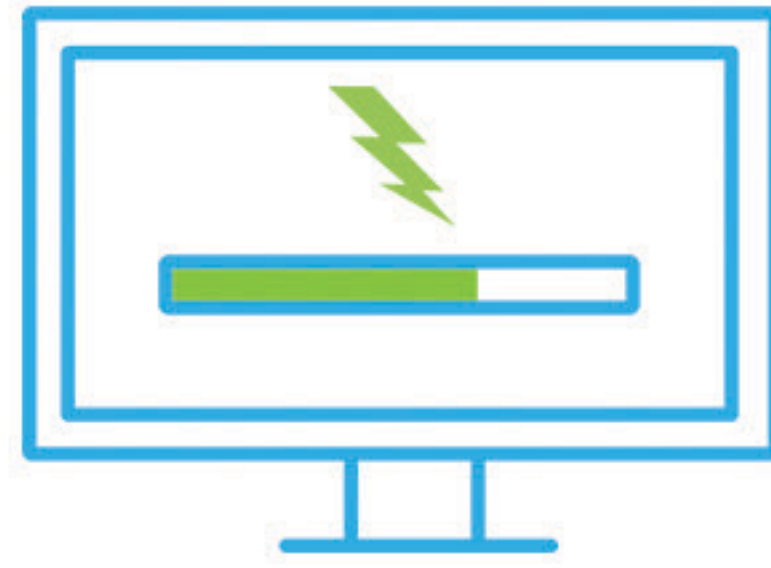
LOADING APPLICATIONS



EDITING SPREADSHEETS

## HOW MEMORY HELPS YOUR COMPUTER

If your computer is a car, and all you want to do is go for a leisurely Sunday drive, then your car probably has enough horsepower. But let's say you want to punch it up a notch. If zero to 60 in under five is more your speed, then you're going to need more horsepower...



## WHAT HAPPENS IF YOU DON'T HAVE ENOUGH MEMORY?

Here are a few easy-to-recognize signs that your computer may need a memory upgrade...



### REDUCED PERFORMANCE

Programs don't respond or take longer to load



### SLOW MULTITASKING

Your system slows to a crawl when multitasking or toggling between files / programs



### NOTIFICATIONS

You receive notifications that say "low memory" or "out of memory"



### DISPLAY PROBLEMS

Webpages partially load or there are blank spaces where data should be



### FREEZING

You try to load a program and your system freezes



### NO RESPONSE

Your system doesn't respond when you try to open a file or program

## FIND COMPATIBLE, AFFORDABLE MEMORY IN LESS THAN 60 SECONDS

Use the System Scanner tool, which analyzes your system's hardware and recommends best-fit upgrades based on your system's specs. Then, once you know what you need to get, watch one of our install videos and we'll walk you through the process from start to finish.

Crucial backs every memory module with end-to-end quality assurance. That's why the friendly Crucial customer support team experts are available to answer any questions you have, from compatibility to installation, to make your upgrade a success. We're ready to help via phone, email, or through one of the many articles at [Crucial.com](https://www.crucial.com) – all at no cost to you.

## HOW TO INSTALL MEMORY



Installing memory is easy – it's as simple as changing a battery. See the steps below or watch the full video by clicking [here](#) to learn how to install memory in 5 minutes or less.

### 1 GATHER SUPPLIES



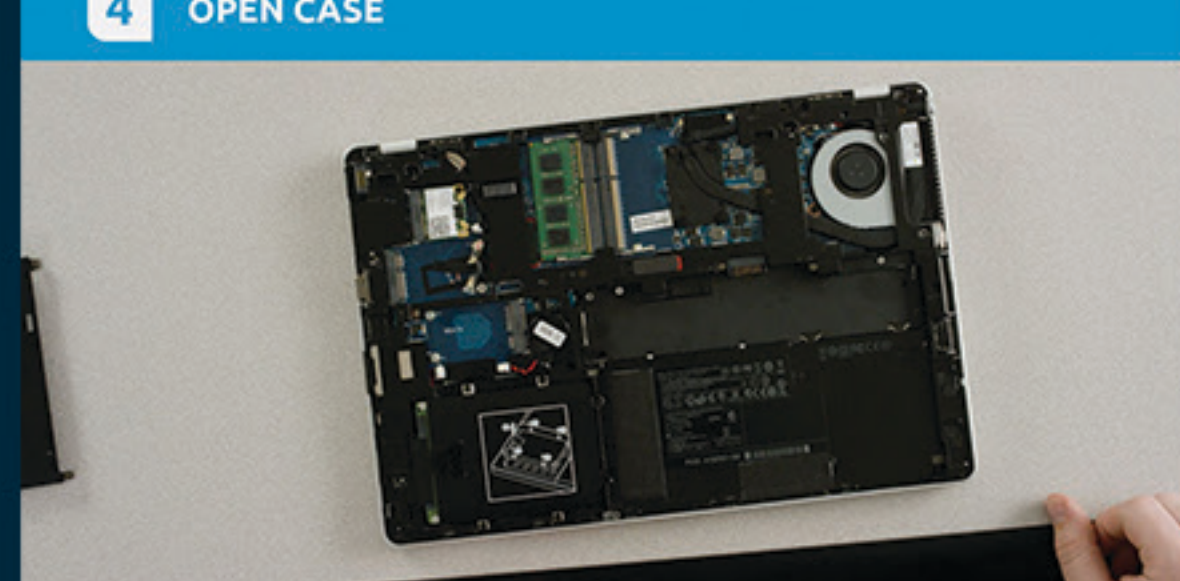
### 2 UNPLUG THE POWER CABLE



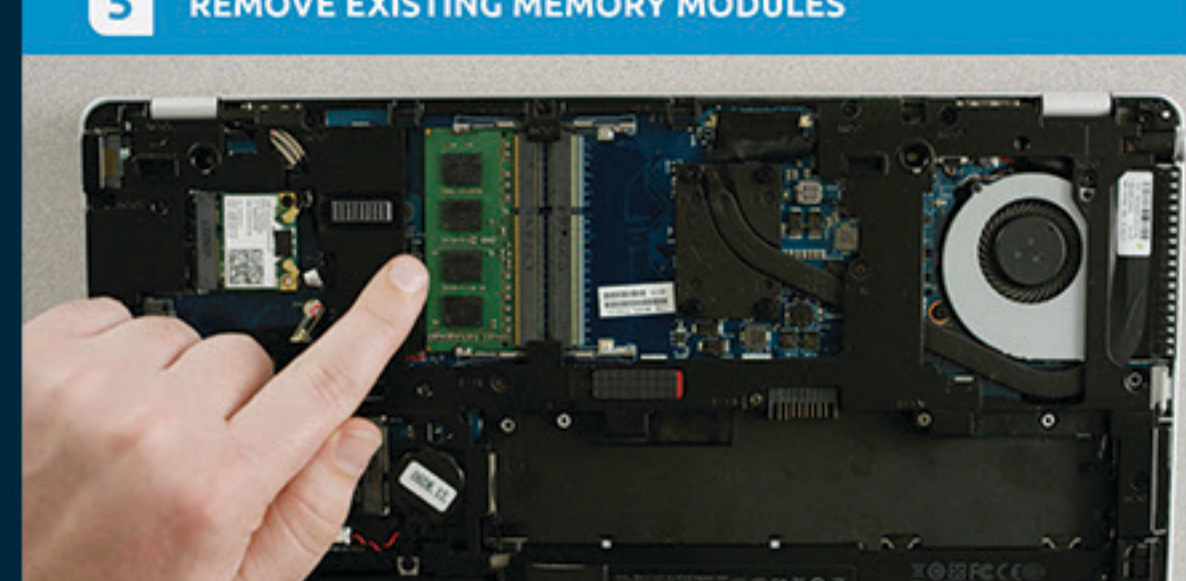
### 3 REMOVE THE BATTERY IF POSSIBLE



### 4 OPEN CASE



### 5 REMOVE EXISTING MEMORY MODULES



### 6 INSTALL CRUCIAL MEMORY

