

Computer Memory

🔍 how computers remember things ✕

Description

What is Computer Memory?

Think of a computer as a person. Computer memory is how the computer remembers things, either for a short time or forever



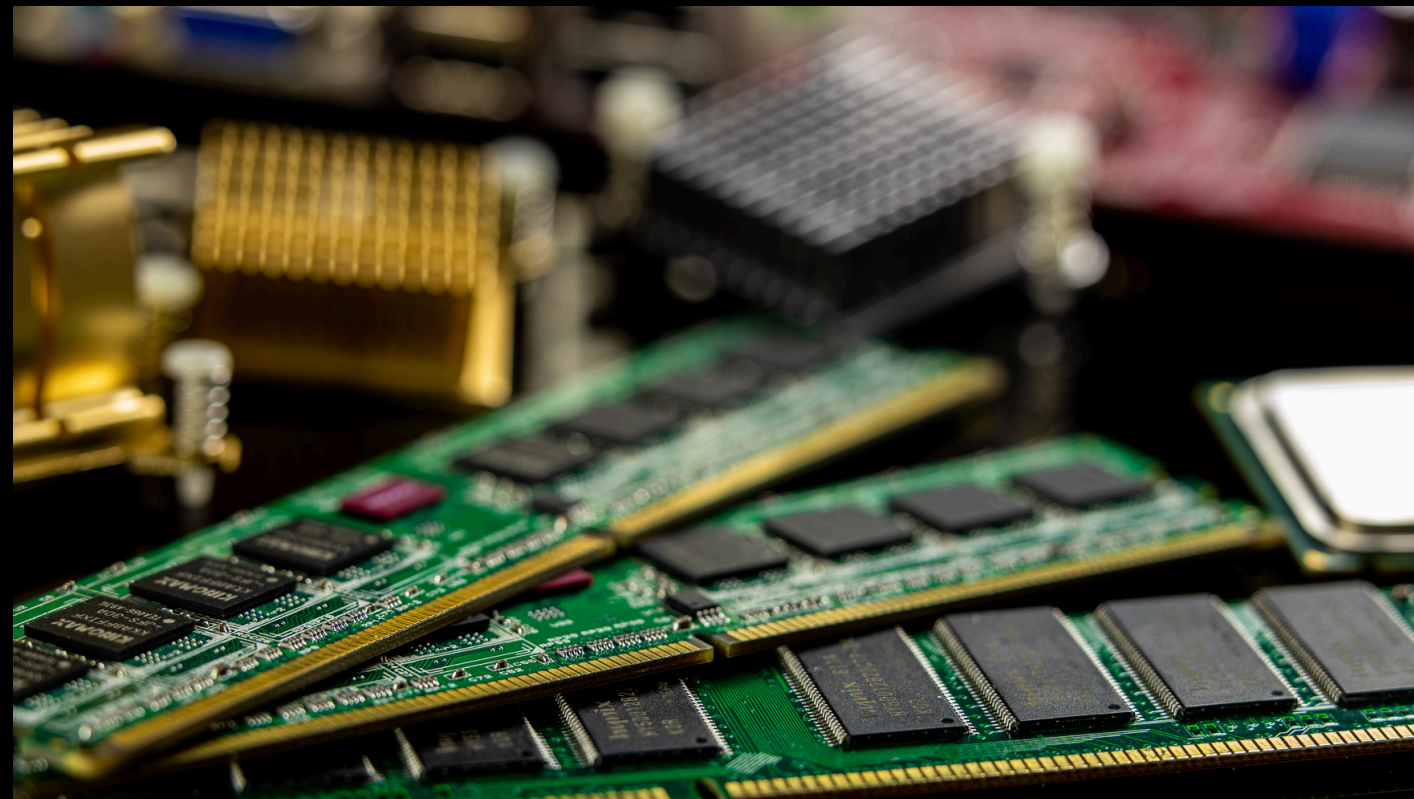
The Two Main Types

To do its job, your computer uses two types of memory that work together:

Type	Analogy	What It Does
RAM (Working Memory)	The Desk	Holds things you are using right now
Storage (Long-Term)	The Filing Cabinet	Holds everything permanently (files, apps, photos).



RAM - The Working Desk



RAM stands for (Random Access Memory)

- 01 It is the computer's short-term memory.
- 02 It's a very large, fast desk where the computer can quickly spread out all the programs it is using.
- 03 Example: When you open a game, the computer puts the game's files onto this "desk."

Storage - The Filing Cabinet

This is the computer's long-term memory

01

This is where every single thing on your computer is safely kept.

02

Example: Your photos, your favorite video editor, the Windows/macOS program itself—they all live here.

03

The two modern types are:

HDD (Hard Disk Drive): A metal disk that spins. (Slower)

SSD (Solid State Drive): Uses flash chips, like a giant, super-fast USB stick. (Much faster)



The Teamwork: Load and Save

RAM and Storage constantly pass information back and forth:

01

To Start: The computer copies a program from the slow Storage (Cabinet) into the fast RAM (Desk).

02

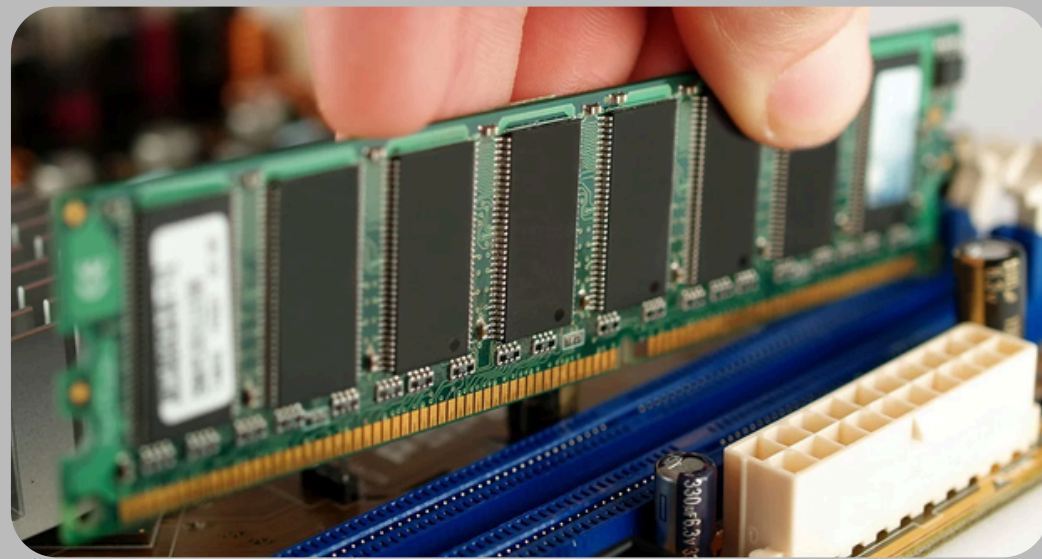
To Use: The program runs only in RAM.

03

To Keep: When you click Save, the data is copied back from the RAM (Desk) to the Storage (Cabinet) for safe, permanent keeping.



Remember



01 **RAM**

RAM is for SPEED and Multitasking.
it's temporary



02 **STORAGE**

Storage is for SAVING and
Permanence.it's slower



03

You need enough of both for a
modern computer to run well

THANK YOU

Thank you for your attention!