

# Computer Storage Guide.

Published by Camboard Publishing

Camboard Publishing  
Cambridge. Great Britain.

[www.camboard-publishing.com](http://www.camboard-publishing.com)

Age range 11+

Camboard

Computer Storage Guide introduces the main computer storage devices with full color illustrations.

The Computer Storage Guide describes primary and secondary storage devices.

The book starts with an introduction to the main types of computer data storage.

Shows how the hard disk drive works with full color illustrations, the Computer Storage Guide also covers SSD drives.

Introduces the system memory found on a computers motherboard.

Shows how CD/DVD optical drives works in full color.

Introduces external USB type memory sticks and memory cards.

Describes how RAID drives works.

This book will be useful to students and anyone else wishing to learn about the different types of computer storage.

ALL RIGHTS RESERVED. No part of this Book may be reproduced, duplicated, given away, transmitted or resold in any form without written prior permission from the publisher.

Limit of Liability and Disclaimer of Warranty: The publisher has used its best efforts in preparing this book, and the information provided herein is provided "as is." Camboard Publishing makes no representation or warranties with respect to the accuracy or completeness of the contents of this book and specifically disclaims any implied warranties of merchantability or fitness for any particular purpose and shall in no event be liable for any loss of profit or any other commercial damage, including but not limited to special, incidental, consequential, or other damages.

Trademarks: This book identifies product names and services known to be trademarks, registered trademarks, or service marks of their respective holders. They are used throughout this book in an editorial fashion only. In addition, terms suspected of being trademarks, registered trademarks, or service marks have been appropriately capitalized, although Camboard Publishing cannot attest to the accuracy of this information. Use of a term in this book should not be regarded as affecting the validity of any trademark, registered trademark, or service mark. Camboard Publishing is not associated with any product or vendor mentioned in this book.

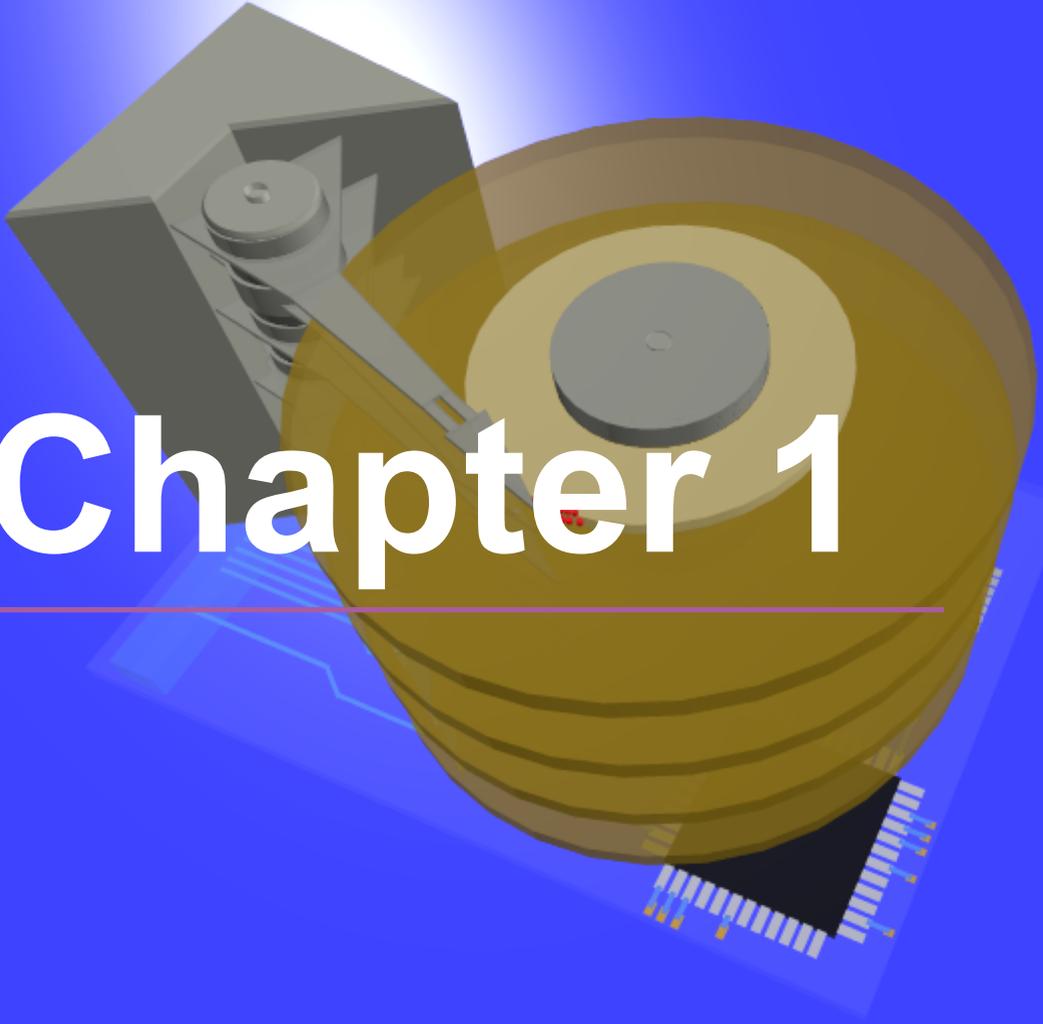
All trademarks acknowledged.

Copyright © 2020 Camboard Publishing

# Computer Storage Guide

## Contents

<b>Chapter 1.</b>	<b>Introduction.</b>	<b>6</b>
<b>Chapter 2.</b>	<b>Byte.</b>	<b>22</b>
<b>Chapter 3.</b>	<b>System Memory.</b>	<b>30</b>
<b>Chapter 4.</b>	<b>Hard Drive.</b>	<b>42</b>
<b>Chapter 5.</b>	<b>Optical Drives.</b>	<b>58</b>
<b>Chapter 6.</b>	<b>Memory Card.</b>	<b>68</b>
<b>Chapter 7.</b>	<b>RAID Drives.</b>	<b>76</b>



# Chapter 1

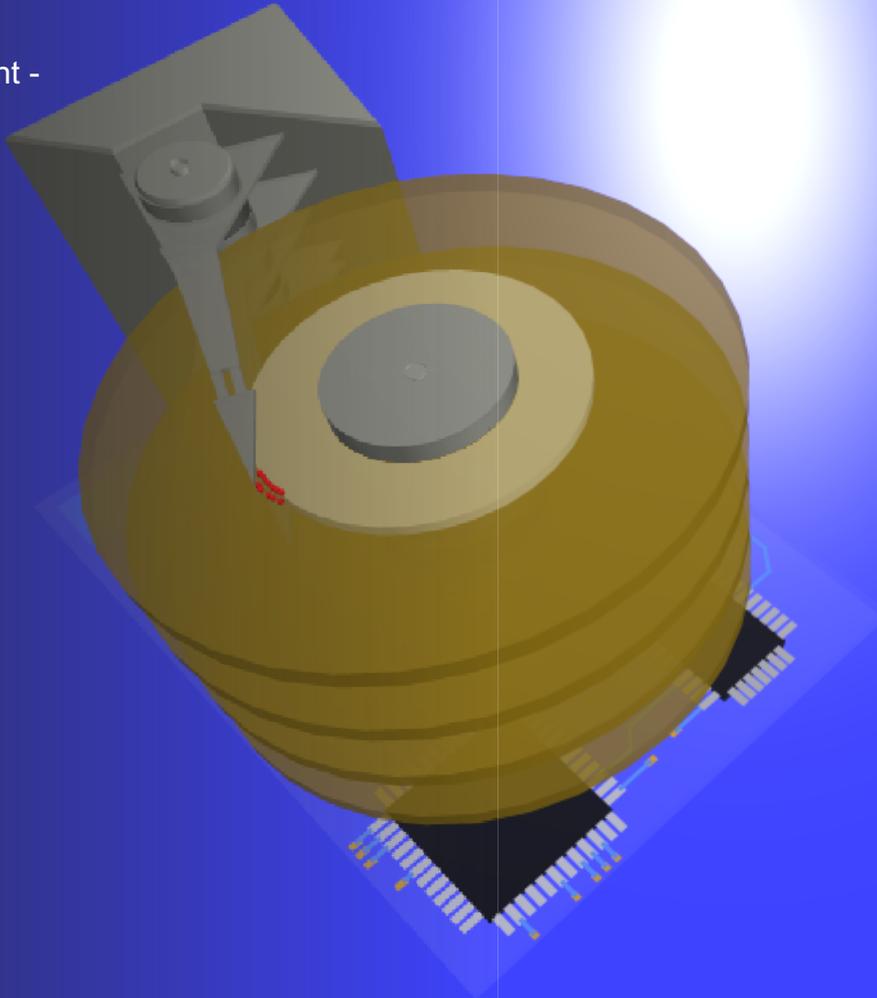
---

**Introduction.**

Data at some point, has to be stored in the computer.

Data can represent -

- Text document
- Image or picture
- Video
- Spreadsheet
- Database
- Music



A picture represents data.

Text represents data.

We use special devices inside the computer to store data.

The devices are either, primary or secondary devices for storing data.

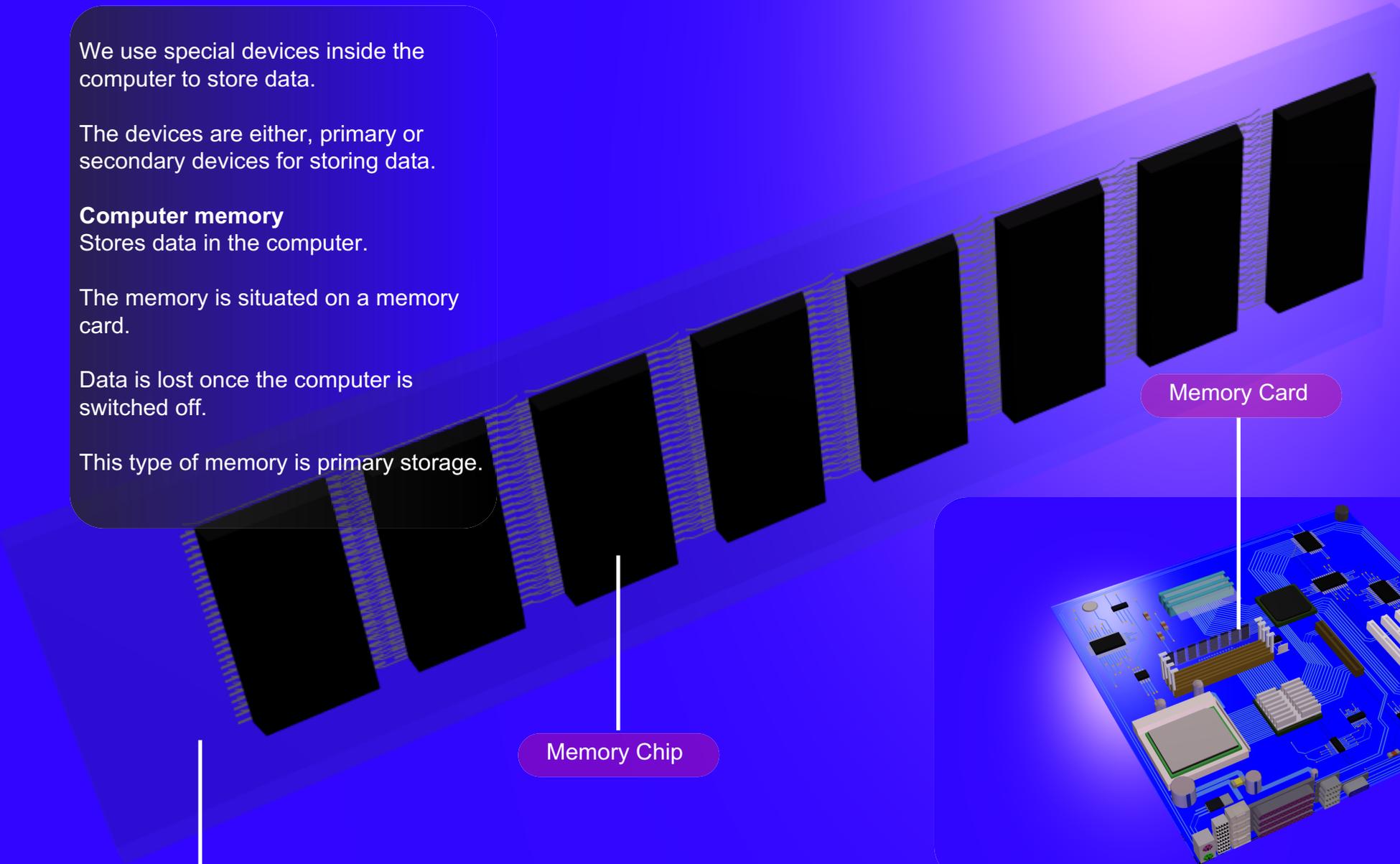
**Computer memory**

Stores data in the computer.

The memory is situated on a memory card.

Data is lost once the computer is switched off.

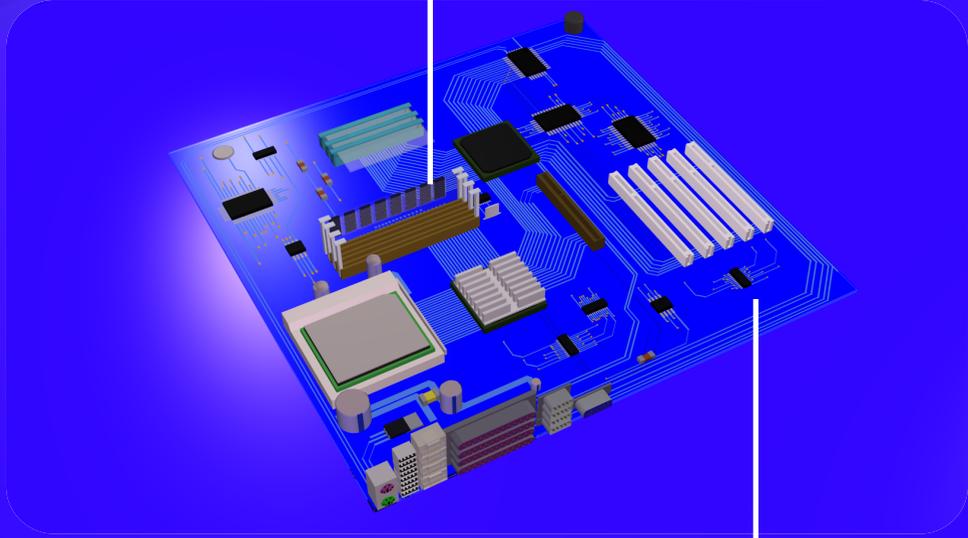
This type of memory is primary storage.



Memory Card

Memory Chip

Memory Card



The memory card sits in a slot on the computers motherboard.

Motherboard

