

## A2.3

Characteristics and implications of storage media used to form part of an IT system.

# Storage Media Characteristics (A2.3)



Storage media differ in capacity, cost, speed, and compatibility.

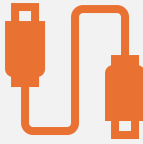


Choosing the right media depends on user needs.



Examples: HDD, SSD, optical discs, cloud storage.

# Capacity (A2.3.1)



Refers to how much data a device can hold.



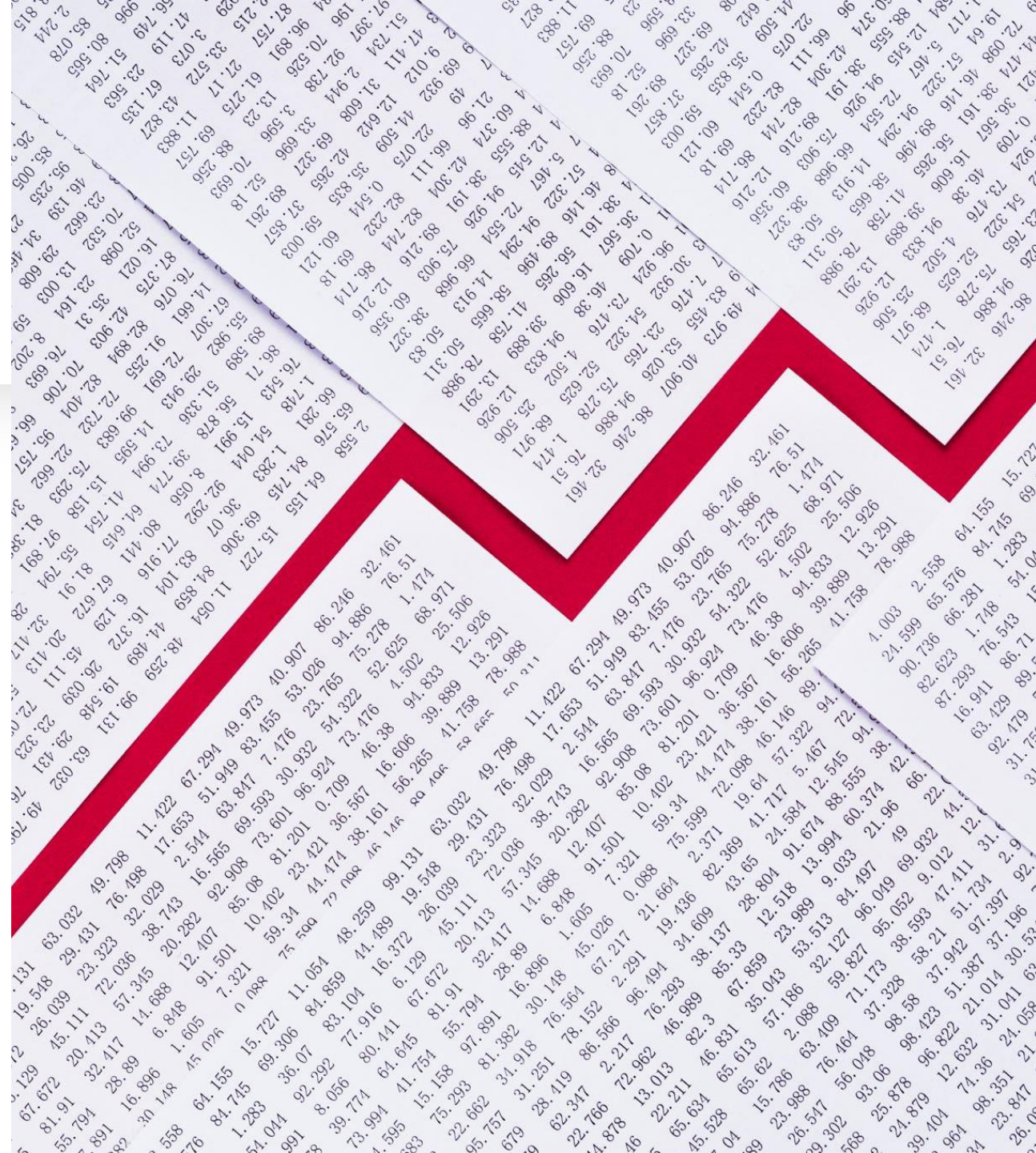
Measured in bytes (GB, TB, etc.).



Higher capacity allows more file storage.

# Cost (A2.3.2)

- The price of storage media varies by type and size.
- Higher speed and capacity often mean higher cost.
- Budget considerations affect choice.



## Speed (A2.3.3)

- How quickly data can be read or written.
- SSDs are faster than HDDs.
- Affects performance in applications.



# Compatibility (A2.3.4)



Whether the media works with the intended system.



Some devices require specific formats or connections.



Important for avoiding hardware or software issues.