

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.

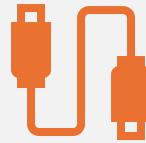


Choosing the right media depends on user needs.



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.