

PRIMARY STORAGE – write key features

- RAM (main memory)
- ROM
- CACHE
- FLASH MEMORY
- VIRTUAL MEMORY

Hardware revision

ADDITIONAL HARDWARE – what are these:

INTEGRATED GPU

DEDICATED GPU

SOUND CARD

MOTHERBOARD

AN EMBEDDED SYSTEM IS:

Examples of embedded systems:

SECONDARY STORAGE

What is secondary memory used for?

What are these: Give me 2 features

OPTICAL

MAGNETIC

SOLID STATE

	Portable	Durable	Speed
HARD DISK			
SOLID STATE DRIVE			
CLOUD			
Flash memory stick			
CD			

- (b) Describe the functional characteristics of the secondary storage technologies used either in a Hard Disk Drive or a Solid State Drive. [4]

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Hard Disk Drive

- uses magnetic secondary storage technology
- non-volatile, rewritable memory
- data is stored on a hard drive platter
- data is read and saved using an arm that has a special read/write head at the end

the faster the platter spins, the faster data can be read from the disk

Solid-state storage

- uses solid-state secondary storage technology
 - non-volatile, rewritable memory
- Is made up of non-moving parts
- if a chain of transistors conducts current, it has the value of 1
 - if it doesn't conduct current, it's 0