Roles of the controller

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Agenda

1. controller
2. port
3. universal serial bus (USB) and FireWire
4. memory-mapped I/O

controller

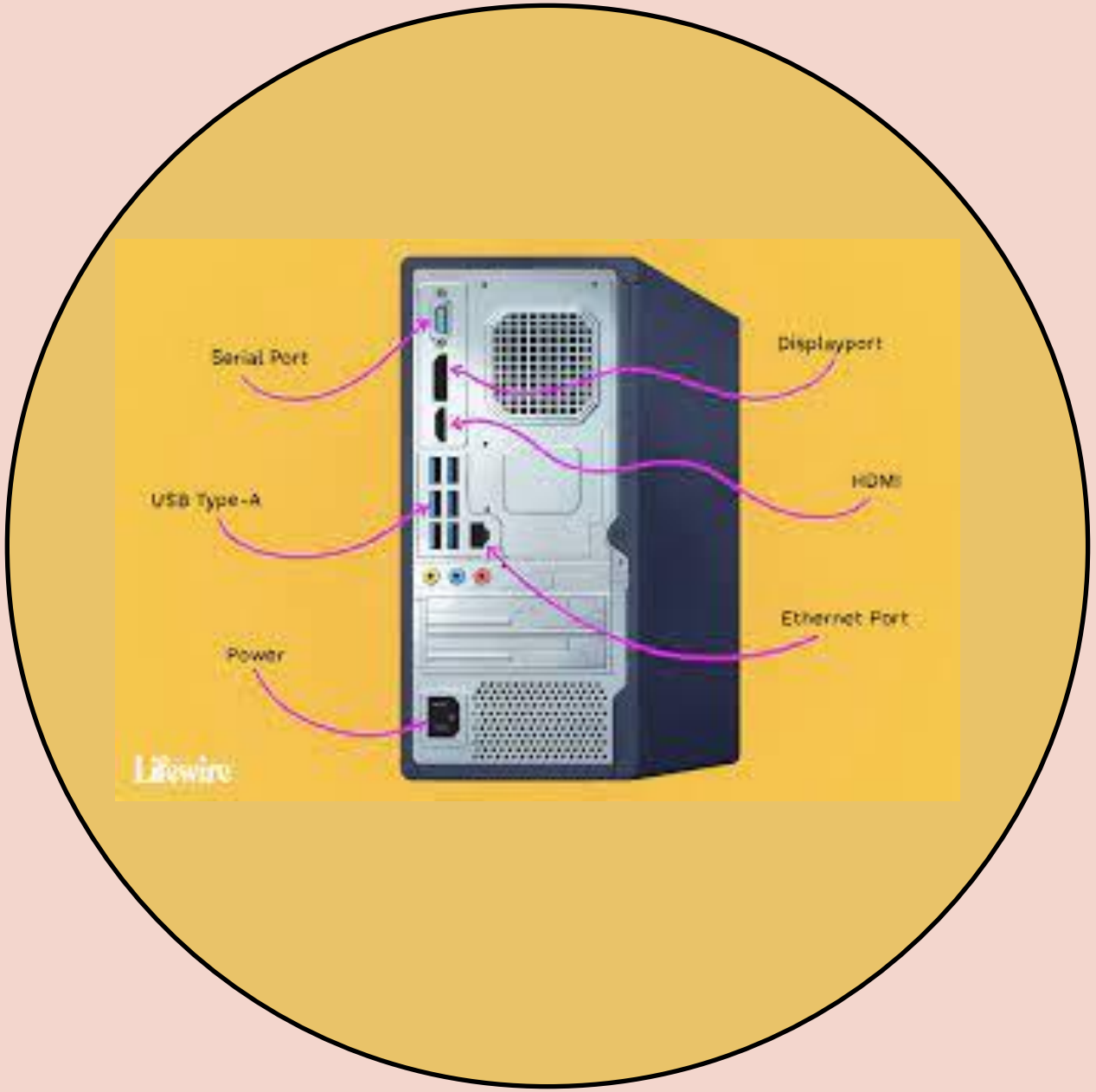
A communication controller is small computer used to manage the communication of input/output (I/O) data in a network, host machine or computer.

port

- The controller

connects via cables to peripheral devices within the computer case or perhaps to a connector.

- Location: on the back of the computer where external devices can be attached.

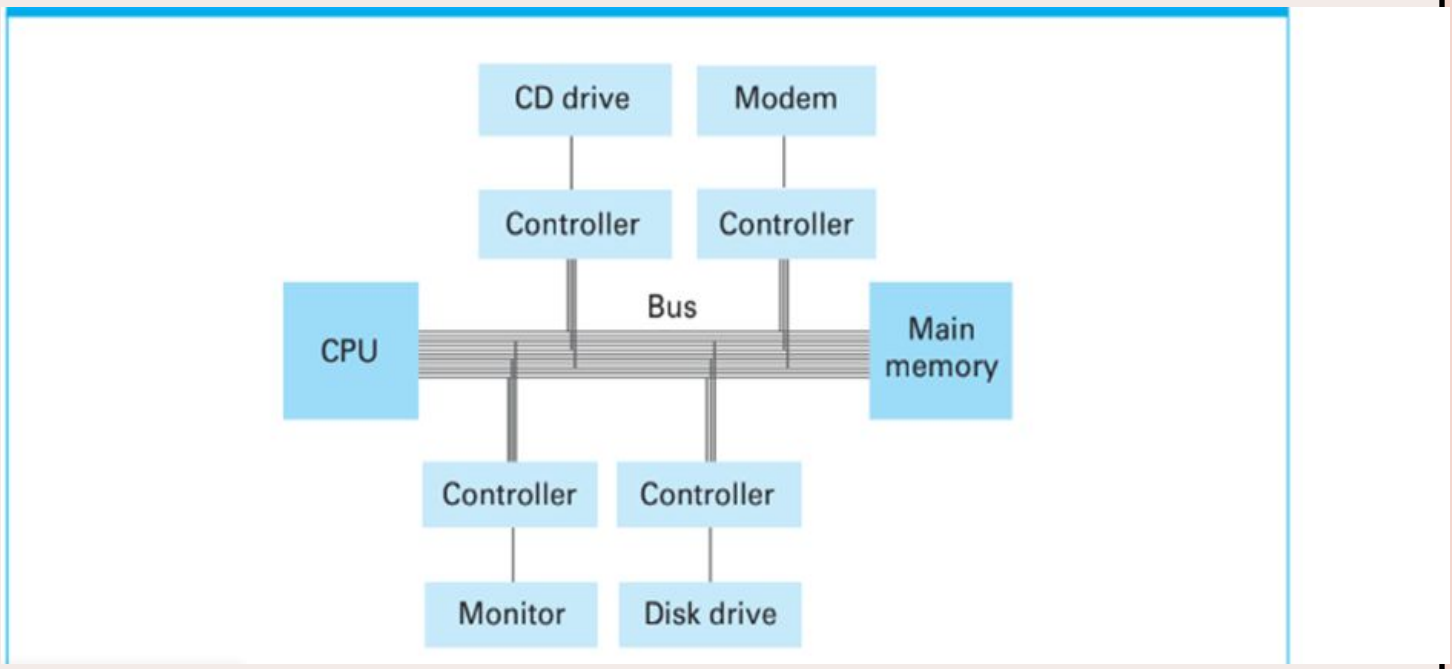


universal serial bus (USB) and FireWire

Usb:

- single USB controller
- can be used as the interface between a computer and any

collection of USB-compatible devices.


CD drive
Modem
Controller
Controller
Bus
CPU
Main memory
Controller
Controller
Monitor
Disk drive

memory-mapped I/O

Memory-mapped I/O uses the same address space to address both main memory and I/O devices.

Thank you