



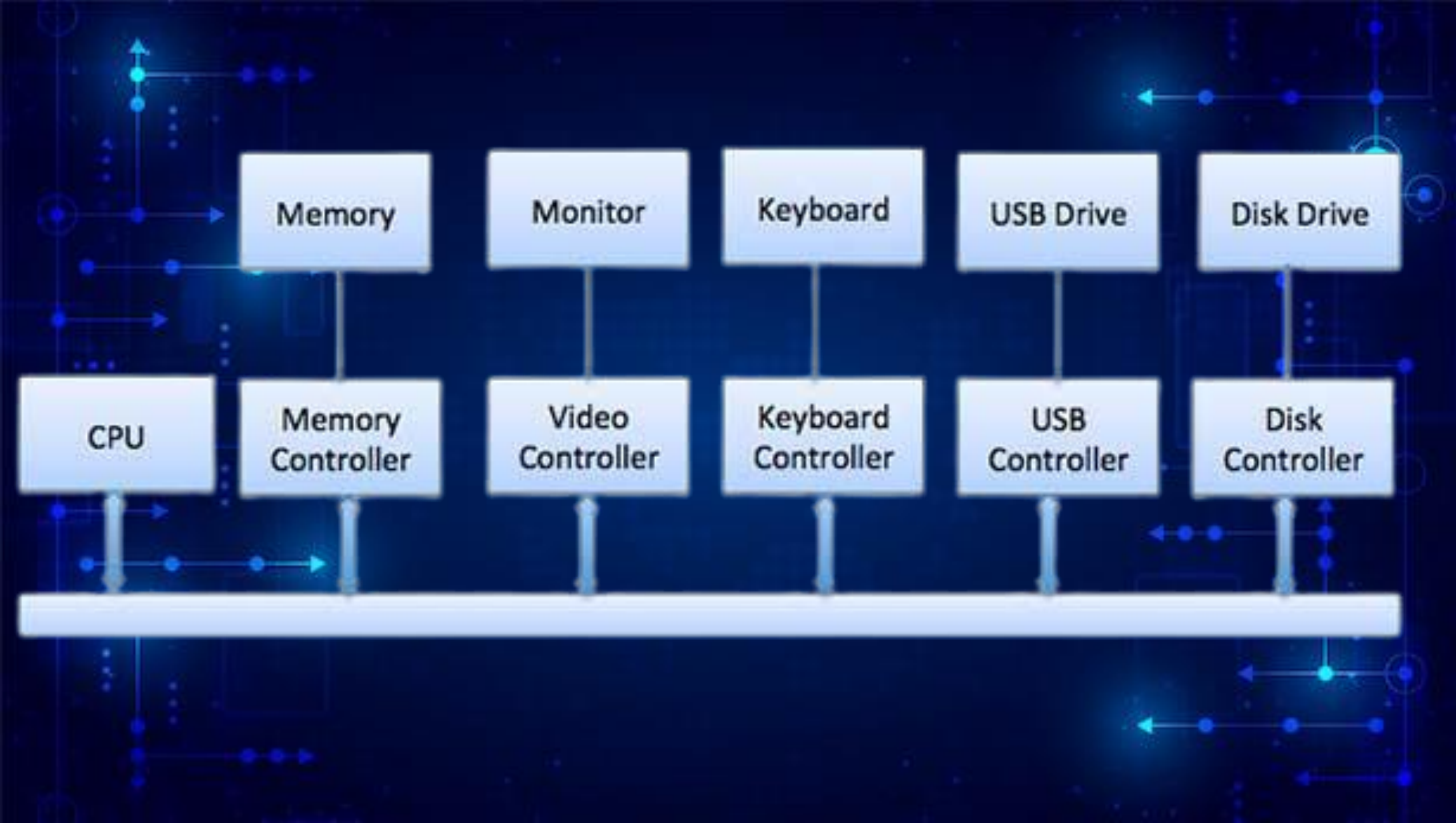
The Role of Controllers

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What is a Controller?

- *A hardware device or software program that manages or directs the flow of data between 2 entities.*



IDE disk or ATA/ATAPI controller

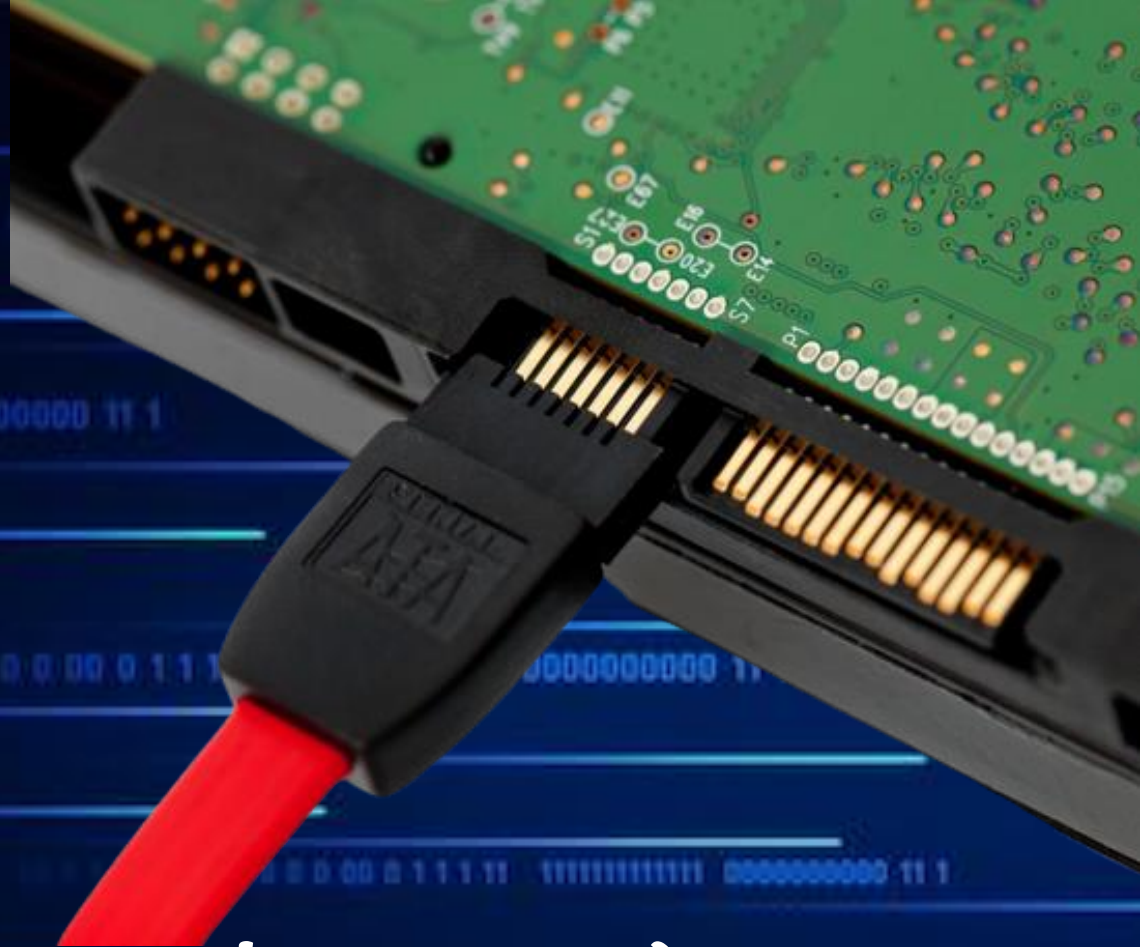
- Enables data transfer and storage capability



PCI Express

- Enables high speed serial communication between CPU and its peripheral devices





SATA (Serial AT Attachment)

- How data is transferred between a computers motherboard and mass storage devices

SCSI (small computer system interface)

- Used to connect and communicate between computers and peripheral devices



USB (universal serial bus)

- A mechanism used to connect peripheral devices to computers and data transfer



What is the role of controllers?

- These are responsible for moving the data between the peripheral devices that it controls and its local buffer storage.



Thank you!