Input output Interface o

Input/output interface provides a method for transferring information between internal storage and enternal imput output devices.

peripherals connected to a comporter need special communication links for cirterfacing them with the central processing muit.

the purpose of the communication link is to resolve the differences that exist bet's the central Computer and Each - peripheral

fle Major différence cire. NON02 D-166

- 1) Feripherals are electromechanical and.
 electronizagnetic devices and the term the
 manner of operation & different from the
 operation of the 400 and memory
 which are electronic devices.
 which are electronic devices.
 therefore, a conversion of signal
 therefore, a conversion of signal
 therefore, a conversion of signal
 - 2)- the data transfere sorte of
 peripherals is usually slower
 than the transfer rate of the CPV
 than the transfer rate of the CPV
 and confequently, a synchronization.

 And confequently, a synchronization.

 Machianism may be needed.
 - Daya codes and formate cin the peripherals oliffer from the word format in the cpi and memory.
 - 9- The operating modes of peripherals are different from each other and each must be controlled so as not it distribithe operation in the other peripherals connected to the cpu.

to overlone that differences components systems tinclude special Hardware Components bet's the CPO and peripherally to supervise and synchoso nize all einput and of eiterface transfer. These components are called interface limits because they interface between the processor bus and the peripheral device.

In Addition, each device may have Its own own controller that supervises the operations of the particular mechanism in the peripheral.

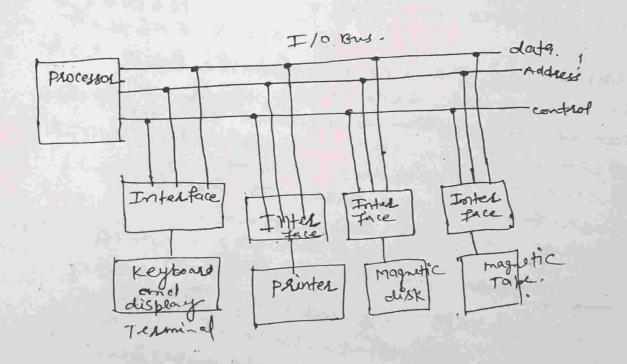


fig of connection of I/o bus to Input - 0/p devices