

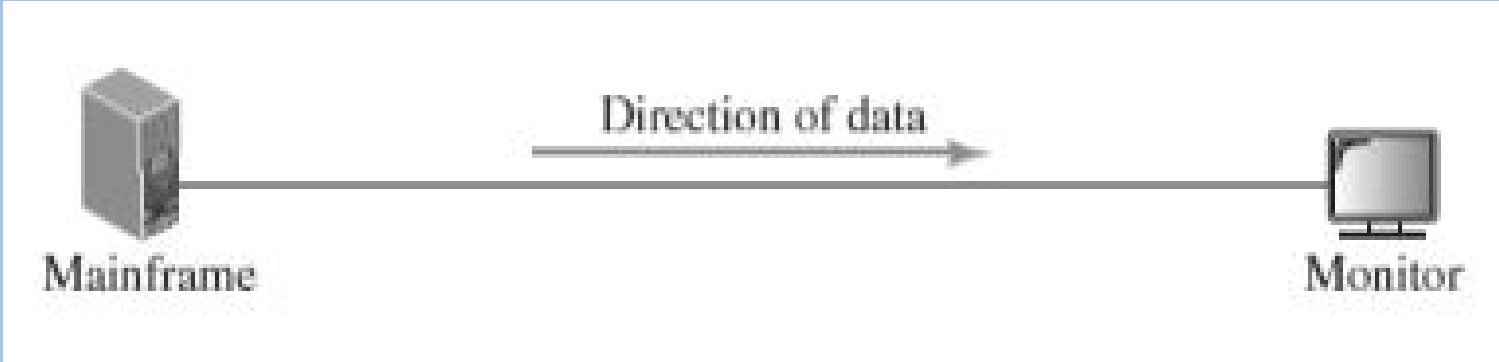
Simplex Mode

Elementrix Classes

Simplex Mode

- ❑ In Simplex mode, the communication is unidirectional, i.e., the data flow in one direction.
- ❑ A device can only send the data but cannot receive it or it can receive the data but cannot send the data.
- ❑ This transmission mode is not very popular as mainly communications require the two-way exchange of data. The simplex mode is used in the business field as in sales that do not require any corresponding reply.

- ❑ The radio station is a simplex channel as it transmits the signal to the listeners but never allows them to transmit back.
- ❑ Keyboard and Monitor are the examples of the simplex mode as a keyboard can only accept the data from the user and monitor can only be used to display the data on the screen.
- ❑ The main advantage of the simplex mode is that the full capacity of the communication channel can be utilized during transmission.



Advantage of Simplex mode:

- ❑ In simplex mode, the station can utilize the entire bandwidth of the communication channel, so that more data can be transmitted at a time.

Disadvantage of Simplex mode:

- ❑ Communication is unidirectional, so it has no inter-communication between devices.

पढ़िए और पढ़ाइये

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