

dynamic host configuration protocol (dhcp)



at the time of manufacturing the nic card, the manufacturer will creates an unique mac address and assign to the network interface card.

mac address = 12 characters long (hexadecimal)
[0 - 9 & A - F]

MAC Address (Physical address): 23:5E:F2:B3:C7:87

How does data will be transfered in a network?

In general, whenever a computer puts the data onto the network, the data will be send to all the computers that are connected to that network.

If we wish to send the data to a specific computer on the network, then each computer should have an unique identification number, so that we can tag the identity of the computer to whom we want to send this data to

That is where every computer requires an identification number to uniquely locate the computer on the network. That is why ip address has been introduced.