

Name: Mohamed Mahrose Elwan

Difference between Physical, Logical , Port address

Physical address: A physical address, also known as a MAC (Media Access Control) address, is a unique identifier assigned to a network interface controller (NIC) by the manufacturer. It is a 48-bit address that is hard-wired into the network interface card and is used to identify the device on a network.

Logical address: A logical address, also known as an IP (Internet Protocol) address, is a numerical label assigned to a device connected to a computer network. It is a 32-bit or 128-bit binary number that is assigned to a network interface controller by the network administrator and is used to identify a device on a network.

Port address: A port address is a unique identifier used by the transport layer protocols in a computer network to identify a specific application or service on a device. It is a 16-bit number that is used in combination with an IP address to specify a particular service or application running on a device.