

Memory Components

Router has many memory components to store data, operating system, configuration etc..

Router Memory Components

Component	Description
ROM	Keeps the boot sequence of router.
FLASH	Keeps Cisco Router IOS (operating system).
DRAM	Keeps the Temporary configuration of router. Note: It stores all configuration in " running-config " file.
NVRAM	Keeps the configuration of router permanently. Note: It stores all configuration in " startup-config " file.
ROMMON	Responsible to store the Mini Operating System of router which is used for troubleshooting purposes.

Ports and Interfaces

Component	Description
Console	<ul style="list-style-type: none">- To configure router locally.- Serial configuration port for command-line access to router management and configuration.
Auxiliary	Auxiliary port is used to connect a modem to the router, which can then be used to remotely modify the configuration on the router.
Ethernet Fast Ethernet Gigabit Ethernet	<ul style="list-style-type: none">- LAN Interface(port)- Used to connect LAN (Local Area Network)- Using this interface(port) router can be connected to the network switch.
Serial	<ul style="list-style-type: none">- WAN Interface(port)- Connects a modem or other serial device to allow a WAN network interface to be used on the router.