

S.N#	Network Name	Host Requirements	Network Address	Subnet Mask	First Host
1	North	254	192.168.1.0	255.255.255.0	192.168.1.1
2	South	254	192.168.2.0	255.255.255.0	192.168.2.1
3	East	254	192.168.3.0	255.255.255.0	192.168.3.1
4	West	254	192.168.4.0	255.255.255.0	192.168.4.1
5	Middle	254	192.168.5.0	255.255.255.0	192.168.5.1
6	R0-R2	2	192.168.6.0	255.255.255.0	192.168.6.1
7	R0-R4	2	192.168.7.0	255.255.255.0	192.168.7.1
8	R2-R4	2	192.168.8.0	255.255.255.0	192.168.8.1
9	R1-R4	2	192.168.9.0	255.255.255.0	192.168.9.1
10	R3-R4	2	192.168.10.0	255.255.255.0	192.168.10.1
11	R1-R3	2	192.168.11.0	255.255.255.0	192.168.11.1

Rules for IP Address Allocation

Router

Corresponding interface will get the first address of the connected network

Router-Router

Link Network will use the first two addresses of the assigned network

Server

For each network the last five addresses will be reserved for servers

Client

DHCP and it will be starting from second host to 249 of that particular network

Last Host	Broadcast Address
192.168.1.254	192.168.1.255
192.168.2.254	192.168.2.255
192.168.3.254	192.168.3.255
192.168.4.254	192.168.4.255
192.168.5.254	192.168.5.255
192.168.6.254	192.168.6.255
192.168.7.254	192.168.7.255
192.168.8.254	192.168.8.255
192.168.9.254	192.168.9.255
192.168.10.254	192.168.10.255
192.168.11.254	192.168.11.255