

Screenshot

```
PS C:\Users\ACER> ipconfig

Windows IP Configuration

Ethernet adapter Ethernet:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . : NetisRouter_045ea4e813e6

Ethernet adapter Ethernet 2:

    Connection-specific DNS Suffix  . :
    Link-local IPv6 Address . . . . . : fe80::f730:303e:e559:70c0%2
    IPv4 Address. . . . . : 192.168.56.1
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . :

Wireless LAN adapter Local Area Connection* 1:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . :

Wireless LAN adapter Local Area Connection* 2:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . :

Wireless LAN adapter Wi-Fi:

    Connection-specific DNS Suffix  . :
    Link-local IPv6 Address . . . . . : fe80::2abb:717d:a183:74ad%12
    IPv4 Address. . . . . : 192.168.16.107
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 192.168.16.1

Ethernet adapter Bluetooth Network Connection:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . :
PS C:\Users\ACER> |
```

- 1) IPv4 Address: 192.168.16.107
- 2) Subnet Mask: 255.255.255.0
- 3) Network Address:
 IP address: 11000000.10101000.00010000.01101011
 Subnet Mask: 11111111.11111111.11111111.00000000
 AND: 11000000.10101000.00010000.00000000
 Network address: 192.168.16.0

Here,

Total nodes that my network can support: 256

But 2 nodes are reserved for Network address and Broadcast address

Usable nodes: $256 - 2 = 254$