128.1.6.5/12 Indirizzo ip

10000000.00000001.00000110.00000101 🡪 Binario dell’indirizzo ip

255.255.240.0 subnet mask

10000000.00001111.11111111.11111111 🡪[128.15.255.255](https://128.15.255.255) Ip broadcast

10000000.00000000.00000000.00000000 🡪 128.0.0.0 ip network

12 bit per il network il 20 per per host = 2 ottetti per host 2 per network

Ip gateway 128.0.0.1

200.1.2.3/24

11001000.00000001.00000010.00000011 🡪 Binario Indirizzo ip

255.255.255.0 🡪 Subnet mask

11001000.00000001.00000010|.11111111 🡪 200.1.2.255 Ip Broadcast

11001000.00000001.00000010|.00000000 🡪 200.1.2.0 Ip network

24 bit per il network il 8 per per host = 3 ottetti per host 1 per network

Ip Gateway 200.1.2.1

192.192.1.1/22

11000000.11000000.00000001.00000001 🡪Binario indirizzo ip

255.255.252.0 🡪 Subnet mask

11000000.11000000.000000|01.00000001

11000000.11000000.000000|11.11111111 192.192.3.255 broadcast

11000000.11000000.000000|00.00000000 192.192.0.0 network

22 bit per il network il 10 per per host= 3 ottetti per host 1 per network

Ip Gateway 192.192.0.1

126.5.4.3/9

01111110.00000101.00000100.00000011

**255.128.0.0**

**011111110.0|000101.00000100.00000011**

**011111110.0|111111.11111111.11111111 🡪 126.127.255.255 Broadcast**

**011111110.0|000000.00000000.00000000 🡪 126.0.0.0 🡪 network**

9 bit per il network il 23 per per host = 2 ottetti per host 2 per network

Ip gateway 126.0.0.1

**200.1.9.8/24**

**11001000.00000001.00001001.00001000**

**255.255.255.0**

**11001000.00000001.00001001.00001000**

**11001000.00000001.00001001.11111111 🡪Broadcast 200.1.9.255**

**11001000.00000001.00001001.00000000 🡪 Network 200.1.9.0**

24 bit per il network il 8 per per host = 1 ottetti per host 2 per network

**Ip Gateway 200.1.9.1**

**172.16.0.4/16**

**10101100.00010000.00000000.00000100**

**255.255.0.0**

**10101100.00010000.00000000.00000100**

**10101100.00010000.11111111.11111111🡪Broadcast172.16.255.255**

**10101100.00010000.00000000.00000000🡪 Network 172.16.0.0**

16 bit per il network il 16 per per host = 2 ottetti per host 2 per network

Ip Gateway 172.16.0.1