192.168.106.25

255.255.255.0

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Endereço de Rede em Decimal | | Endereço de Broadcast em Decimal | | Número de endereços Válidos |
| 192.168.106.0 | | 192.168.106.255 | | 254 |
| **Binário** | | | | |
| Octeto 1 | Octeto 2 | Octeto 3 | Octeto 4 | Endereço |
| 11000000 | 10101000 | 01101010 | 00000000 | REDE |
| 11000000 | 10101000 | 01101010 | 11111111 | BROADCAST |
| 11111111 | 11111111 | 11111111 | 00000000 | MÁSCARA |

10.23.48.253

255.0.0.0

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Endereço de Rede em Decimal | | Endereço de Broadcast em Decimal | | Número de endereços Válidos |
| 10.0.0.0 | | 10.255.255.255 | | 16.777.214 |
| **Binário** | | | | |
| Octeto 1 | Octeto 2 | Octeto 3 | Octeto 4 | Endereço |
| 00001010 | 00000000 | 00000000 | 00000000 | REDE |
| 00001010 | 11111111 | 11111111 | 11111111 | BROADCAST |
| 11111111 | 00000000 | 00000000 | 00000000 | MÁSCARA |

172.16.57.200

255.255.128.0

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Endereço de Rede em Decimal | | Endereço de Broadcast em Decimal | | Número de endereços Válidos |
| 172.16.0.0 | | 172.16.127.255 | | 32.766 |
| **Binário** | | | | |
| Octeto 1 | Octeto 2 | Octeto 3 | Octeto 4 | Endereço |
| 10101100 | 00010000 | 00000000 | 00000000 | REDE |
| 10101100 | 00010000 | 01111111 | 11111111 | BROADCAST |
| 11111111 | 11111111 | 10000000 | 00000000 | MÁSCARA |

192.168.0.172

255.255.255.224

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Endereço de Rede em Decimal | | Endereço de Broadcast em Decimal | | Número de endereços Válidos |
| 192.168.0.160 | | 192.168.0.191 | | 30 |
| **Binário** | | | | |
| Octeto 1 | Octeto 2 | Octeto 3 | Octeto 4 | Endereço |
| 11000000 | 10101000 | 00000000 | 10100000 | REDE |
| 11000000 | 10101000 | 00000000 | 10111111 | BROADCAST |
| 11111111 | 11111111 | 11111111 | 11100000 | MÁSCARA |

172.25.1.0

255.255.254.0

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Endereço de Rede em Decimal | | Endereço de Broadcast em Decimal | | Número de endereços Válidos |
| 172.25.0.0 | | 172.25.1.255 | | 510 |
| **Binário** | | | | |
| Octeto 1 | Octeto 2 | Octeto 3 | Octeto 4 | Endereço |
| 10101100 | 00011001 | 00000000 | 00000000 | REDE |
| 10101100 | 00011001 | 00000001 | 11111111 | BROADCAST |
| 11111111 | 11111111 | 11111110 | 00000000 | MÁSCARA |

10.86.255.254

255.255.0.0

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Endereço de Rede em Decimal | | Endereço de Broadcast em Decimal | | Número de endereços Válidos |
| 10.86.0.0 | | 10.86.255.255 | | 65.534 |
| **Binário** | | | | |
| Octeto 1 | Octeto 2 | Octeto 3 | Octeto 4 | Endereço |
| 00001010 | 01010110 | 00000000 | 00000000 | REDE |
| 00001010 | 01010110 | 11111111 | 11111111 | BROADCAST |
| 11111111 | 11111111 | 00000000 | 00000000 | MÁSCARA |

**Subredes**

192.168.0.0 IP

255.255.255.0 Mascara /24

11111111 11111111 11111111 11100000

30 hosts

8 subredes

1° subrede

192.168.0.0 endereço de rede

192.168.0.1 1° host

192.168.0.30 ultimo host

192.168.0.31 broadcast

2° subrede

192.168.0.32

192.168.0.33

192.168.0.62

192.168.0.63

3° subrede

192.168.0.64

192.168.0.65

192.168.0.94

192.168.0.95

4° subrede

192.168.0.96

192.168.0.97

192.168.0.126

192.168.0.127

5° subrede

192.168.0.128

192.168.0.129

192.168.0.158

192.168.0.159

6° subrede

192.168.0.160

192.168.0.161

192.168.0.190

192.168.0.191

7° subrede

192.168.0.192

192.168.0.193

192.168.0.222

192.168.0.223

8° subrede

192.168.0.224

192.168.0.225

192.168.0.254

192.168.0.255

.

192.168.1.0 ip

255.255.255.0 mascara

14 hosts

16 subredes

1° subrede

192.168.1.0

192.168.1.1

192.168.1.14

192.168.1.15

2° subrede

192.168.1.16

192.168.1.17

192.168.1.30

192.168.1.31

3° subrede

192.168.1.32

192.168.1.33

192.168.1.46

192.168.1.47

4° subrede

192.168.1.48

192.168.1.49

192.168.1.62

192.168.1.63

5° subrede

192.168.1.64

192.168.1.65

192.168.1.78

192.168.1.79

6° subrede

192.168.1.80

192.168.1.81

192.168.1.94

192.168.1.95

7° subrede

192.168.1.96

192.168.1.97

192.168.1.110

192.168.1.111

8° subrede

192.168.1.112

192.168.1.113

192.168.1.126

192.168.1.127

9° subrede

192.168.1.128

192.168.1.129

192.168.1.142

192.168.1.143

10° subrede

192.168.1.144

192.168.1.145

192.168.1.158

192.168.1.159

11° subrede

192.168.1.160

192.168.1.161

192.168.1.174

192.168.1.175

12° subrede

192.168.1.176

192.168.1.177

192.168.1.190

192.168.1.191

13° subrede

192.168.1.192

192.168.1.193

192.168.1.206

192.168.1.207

14° subrede

192.168.1.208

192.168.1.209

192.168.1.222

192.168.1.223

15° subrede

192.168.1.224

192.168.1.225

192.168.1.238

192.168.1.239

16° subrede

192.168.1.240

192.168.1.241

192.168.1.254

192.168.1.255

....

172.16.0.0 IP

255.255.0.0 Mascara 32

hosts 8 hosts

32 subredes

1° subrede

172.16.0.0

172.16.0.1

172.16.7.254

172.16.7.255

2° subrede

172.16.8.0

172.16.8.1

172.16.15.254

172.16.15.255

3° subrede

172.16.22.0

172.16.22.1

172.16.29.254

172.16.29.255

4° subrede

172.16.30.0

172.16.30.1

172.16.37.254

172.16.37.255

5° subrede

172.16.38.0

172.16.38.1

172.16.45.254

172.16.45.255

6° subrede

172.16.46.0

172.16.46.1

172.16.53.254

172.16.53.255

7° subrede

172.16.54.0

172.16.54.1

172.16.61.254

172.16.61.255

.....

10.0.0.0 IP

255.252.0.0 mascara

64 subredes

1° subrede

10.0.0.0

10.0.0.1

10.3.255.254

10.3.255.255

2° subrede

10.4.0.0

10.4.0.1

10.7.255.254

10.7.255.255

3° subrede

10.8.0.0

10.8.0.1

10.11.255.254

10.11.255.255

4° subrede

10.12.0.0

10.12.0.1

10.15.255.254

10.15.255.255

5° subrede

10.16.0.0

10.16.0.1

10.19.255.254

10.19.255.255

6° subrede

10.20.0.0

10.20.0.1

10.23.255.254

10.23.255.255

7° subrede

10.24.0.0

10.24.0.1

10.27.255.254

10.27.255.255

8° subrede

10.28.0.0

10.28.0.1

10.31.255.254

10.31.255.255

9° subrede

10.32.0.0

10.32.0.1

10.35.255.254

10.35.255.255

10° subrede

10.36.0.0

10.36.0.1

10.39.255.254

10.39.255.255

11° subrede

10.40.0.0

10.40.0.1

10.43.255.254

10.43.255.255

12° subrede

10.44.0.0

10.44.0.1

10.47.255.254

10.47.255.255

13° subrede

10.48.0.0

10.48.0.1

10.51.255.254

10.51.255.255

14° subrede

10.52.0.0

10.52.0.1

10.55.255.254

10.55.255.255

15° subrede

10.56.0.0

10.56.0.1

10.59.255.254

10.59.255.255

16° subrede

10.60.0.0

10.60.0.1

10.63.255.254

10.63.255.255

16° subrede

10.64.0.0

10.64.0.1

10.67.255.254

10.67.255.255]

17° subrede

10.68.0.0

10.68.0.1

10.71.255.254

10.71.255.255

18° subrede

10.72.0.0

10.72.0.1

10.75.255.254

10.75.255.255

19° subrede

10.76.0.0

10.76.0.1

10.79.255.254

10.79.255.255

20° subrede

10.80.0.0

10.80.0.1

10.83.255.254

10.83.255.255

........

172.21.0.0 ip

255.255.0.0 mascara

510 hosts

128 subredes

1° subrede

172.21.0.0

172.21.0.1

172.21.1.255

172.21.1.255

2° subrede

172.21.2.0

172.21.2.1

172.21.3.254

172.21.3.255

3° subrede

172.21.4.0

172.21.4.1

172.21.5.254

172.21.5.255

4° subrede

172.21.6.0

172.21.6.1

172.21.7.254

172.21.7.255

5° subrede

172.21.6.0

172.21.6.1

172.21.7.254

172.21.7.255

6° subrede

172.21.8.0

172.21.8.1

172.21.9.254

172.21.9.255

7° subrede

172.21.10.0

172.21.10.1

172.21.11.255

172.21.11.255

8° subrede

172.21.12.0

172.21.12.1

172.21.13.254

172.21.13.255

9° subrede

172.21.14.0

172.21.14.1

172.21.15.254

172.21.15.255

10° subrede

172.21.16.0

172.21.16.1

172.21.17.254

172.21.17.255

11° subrede

172.21.18.0

172.21.18.1

172.21.19.254

172.21.19.255

12° subrede

172.21.20.0

172.21.20.1

172.21.20.254

172.21.20.255

13° subrede

172.21.22.0

172.21.22.1

172.21.23.254

172.21.23.255

14° subrede

172.21.24.0

172.21.24.1

172.21.25.254

172.21.25.255

15° subrede

172.21.26.0

172.21.26.1

172.21.27.254

172.21.27.255

16° subrede

172.21.28.0

172.21.28.1

172.21.29.254

172.21.29.255

17° subrede

172.21.30.0

172.21.30.1

172.21.31.254

172.21.31.255

18° subrede

172.21.32.0

172.21.32.1

172.21.33.254

172.21.33.255

19° subrede

172.21.34.0

172.21.34.1

172.21.35.254

172.21.35.255

20° subrede

172.21.36.0

172.21.36.1

172.21.37.254

172.21.37.255

21° subrede

172.21.38.0

172.21.38.1

172.21.39.254

172.21.39.255

22° subrede

172.21.40.0

172.21.40.1

172.21.41.254

172.21.41.255

23° subrede

172.21.42.0

172.21.42.1

172.21.43.254

172.21.43.255

24° subrede

172.21.44.0

172.21.44.1

172.21.45.254

172.21.45.255

25° subrede

172.21.46.0

172.21.46.1

172.21.47.254

172.21.47.255

26° subrede

172.21.48.0

172.21.48.1

172.21.49.254

172.21.49.255

27° subrede

172.21.50.0

172.21.50.1

172.21.51.254

172.21.51.255

28° subrede

172.21.52.0

172.21.52.1

172.21.53.254

172.21.53.255

29° subrede

172.21.54.0

172.21.54.1

172.21.55.254

172.21.55.255

30° subrede

172.21.56.0

172.21.56.1

172.21.57.254

172.21.57.255

.....

10.0.0.0 ip

255.0.0.0 mascara

65.534 hosts

256 subredes

1° subrede

10.0.0.0

10.0.0.1

10.0.255.254

10.0.255.255

2° subrede

10.1.0.0

10.1.0.1

10.1.255.254

10.1.255.255

3° subrede

10.2.0.0

10.2.0.1

10.2.255.254

10.2.255.255

4° subrede

10.3.0.0

10.3.0.1

10.3.255.254

10.3.255.254

5° subrede

10.4.0.0

10.4.0.1

10.4.255.254

10.4.255.255

6° subrede

10.5.0.0

10.5.0.1

10.5.255.254

10.5.255.255

7° subrede

10.6.0.0

10.6.0.1

10.6.255.254

10.6.255.255

8° subrede

10.7.0.0

10.7.0.1

10.7.255.254

10.7.255.255

9° subrede

10.8.0.0

10.8.0.1

10.8.255.254

10.8.254.255

10° subrede

10.9.0.0

10.9.0.1

10.9.255.254

10.9.255.255

11° subrede

10.10.0.0

10.10.0.1

10.10.255.254

10.10.255.255

12° subrede

10.11.0.0

10.11.0.1

10.11.255.254

10.11.255.255

......