## Subnet Masking for IPv4 Class C Networks

| Subnet Mask | Subnet Address | Broadcast Address | Subnet Address | Broadcast Address | Host Addresses per Subnet | Number of Subnets |
|---|---|---|---|---|---|---|
| **255.255.255.128** | 0 | 127 | | | **128** | **2** |
| **/25** | 128 | 255 | | | | |
| **255.255.155.192** | 0 | 63 | | | **62** | **4** |
| **/26** | 64 | 127 | | | | |
| | 128 | 191 | | | | |
| | 192 | 255 | | | | |
| **255.255.255.224** | 0 | 31 | 128 | 159 | **30** | **8** |
| **/27** | 32 | 63 | 160 | 191 | | |
| | 64 | 95 | 192 | 223 | | |
| | 96 | 127 | 224 | 255 | | |
| **255.255.255.240** | 0 | 15 | 128 | 143 | **14** | **16** |
| **/28** | 16 | 31 | 144 | 159 | | |
| | 32 | 47 | 160 | 175 | | |
| | 48 | 63 | 176 | 191 | | |
| | 64 | 79 | 192 | 207 | | |
| | 80 | 95 | 208 | 223 | | |
| | 96 | 111 | 224 | 239 | | |
| | 112 | 127 | 240 | 255 | | |
| **255.255.255.248** | 0 | 7 | 128 | 135 | **6** | **32** |
| **/29** | 8 | 15 | 136 | 143 | | |
| | 16 | 23 | 144 | 151 | | |
| | 24 | 31 | 152 | 159 | | |
| | 32 | 39 | 160 | 167 | | |
| | 40 | 47 | 168 | 175 | | |
| | 48 | 55 | 176 | 183 | | |
| | 56 | 63 | 184 | 191 | | |
| | 64 | 71 | 192 | 199 | | |
| | 72 | 79 | 200 | 207 | | |
| | 80 | 87 | 208 | 215 | | |
| | 88 | 95 | 216 | 223 | | |
| | 96 | 103 | 224 | 231 | | |
| | 104 | 111 | 232 | 239 | | |
| | 112 | 119 | 240 | 247 | | |
| | 120 | 127 | 248 | 255 | | |

## Subnet Masking for IPv4 Class C Networks (continued)

| Subnet Mask | Subnet Address | Broadcast Address | Subnet Address | Broadcast Address | Host Addresses per Subnet | Number of Subnets |
|---|---|---|---|---|---|---|
| **255.255.255.252** | 0 | 3 | 128 | 131 | **2** | **64** |
| **/30** | 4 | 7 | 132 | 135 | | |
| | 8 | 11 | 136 | 139 | | |
| | 12 | 15 | 140 | 143 | | |
| | 16 | 19 | 144 | 147 | | |
| | 20 | 23 | 148 | 151 | | |
| | 24 | 27 | 152 | 155 | | |
| | 28 | 31’ | 156 | 159 | | |
| | | | | | | |
| | 32 | 35 | 160 | 163 | | |
| | 36 | 39 | 164 | 167 | | |
| | 40 | 43 | 168 | 171 | | |
| | 44 | 47 | 172 | 175 | | |
| | 48 | 51 | 176 | 179 | | |
| | 52 | 55 | 180 | 183 | | |
| | 56 | 59 | 184 | 187 | | |
| | 60 | 63 | 188 | 191 | | |
| | | | | | | |
| | 64 | 67 | 192 | 195 | | |
| | 68 | 71 | 196 | 199 | | |
| | 72 | 75 | 200 | 203 | | |
| | 76 | 79 | 204 | 207 | | |
| | 80 | 83 | 208 | 211 | | |
| | 84 | 87 | 212 | 215 | | |
| | 88 | 91 | 216 | 219 | | |
| | 92 | 95 | 220 | 223 | | |
| | | | | | | |
| | 96 | 99 | 224 | 227 | | |
| | 100 | 103 | 228 | 231 | | |
| | 104 | 107 | 232 | 235 | | |
| | 108 | 111 | 236 | 239 | | |
| | 112 | 115 | 240 | 243 | | |
| | 116 | 119 | 244 | 247 | | |
| | 120 | 123 | 248 | 251 | | |
| | 124 | 127 | 252 | 255 | | |