

# Subnetting

Subnet Mask	QTY Subnets	Hosts	Network	IP-Range	Broadcast
.0 <b>/24</b>	0	254	.0	.1 - .254	.255
.128 <b>/25</b>	2	126	.0 .128	.1 - .126 .129 - .254	.127 .255
.192 <b>/26</b>	4	62	.0 .64 .128 .192	.1 - .62 .65 - .126 .129 - .190 .193 - .254	.63 .127 .191 .255
.224 <b>/27</b>	8	30	.0 .32 .64 .96 .128 .160 .192 .224	.1 - .30 .33 - .62 .65 - .94 .97 - .126 .129 - .158 .161 - .190 .193 - .222 .225 - .254	.31 .63 .95 .127 .159 .191 .223 .255
.240 <b>/28</b>	16	14	.0 .16 .32 .48 .64 .80 .96 .112 .128 .144 .160 .176 .192 .208 .224 .240	.1 - .14 .17 - .30 .33 - .46 .49 - .62 .65 - .78 .81 - .94 .97 - .110 .113 - .126 .129 - .142 .145 - .158 .161 - .174 .177 - .190 .193 - .206 .209 - .222 .225 - .238 .241 - .254	.15 .31 .47 .63 .79 .95 .111 .127 .143 .159 .175 .191 .207 .223 .239 .255
.248 <b>/29</b>	32	6	.0 .8 .16 .24 .32 .40 .48 .56 .64 .72 .80 .88	.1 - .6 .9 - .14 .17 - .22 .25 - .30 .33 - .38 .41 - .46 .49 - .54 .57 - .62 .65 - .70 .73 - .78 .81 - .86 .89 - .94	.7 .15 .23 .31 .39 .47 .55 .63 .71 .79 .87 .95

.96	.97 - .102	.103
.104	.105 - .110	.111
.112	.113 - .118	.119
.120	.121 - .126	.127
.128	.129 - .134	.135
.136	.137 - .142	.143
.144	.145 - .150	.151
.152	.153 - .158	.159
.160	.161 - .166	.167
.168	.169 - .174	.175
.176	.177 - .182	.183
.184	.185 - .190	.191
.192	.193 - .198	.199
.200	.201 - .206	.207
.208	.209 - .214	.215
.216	.217 - .222	.223
.224	.225 - .230	.231
.232	.233 - .238	.239
.240	.241 - .246	.247
.248	.249 - .254	.255

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.252	64	2	.0	.1 - .2	.3
<b>/30</b>			.4	.5 - .6	.7
			.8	.9 - .10	.11
			.12	.13 - .14	.15
			.16	.17 - .18	.19
			.20	.21 - .22	.23
			.24	.25 - .26	.27
			.28	.29 - .30	.31
			.32	.33 - .34	.35
			.36	.37 - .38	.39
			.40	.41 - .42	.43
			.44	.45 - .46	.47
			.48	.49 - .50	.51
			.52	.53 - .54	.55
			.56	.57 - .58	.59
			.60	.61 - .62	.63
			.64	.65 - .66	.67
			.68	.69 - .70	.71
			.72	.73 - .74	.75
			.76	.77 - .78	.79
			.80	.81 - .82	.83
			.84	.85 - .86	.87
			.88	.89 - .90	.91
			.92	.93 - .94	.95
			.96	.97 - .98	.99
			.100	.101 - .102	.103
			.104	.105 - .106	.107
			.108	.109 - .110	.111
			.112	.113 - .114	.115
			.116	.117 - .118	.119
			.120	.121 - .122	.123
			.124	.125 - .126	.127
			.128	.129 - .130	.131
			.132	.133 - .134	.135

.136	.137 - .138	.139
.140	.141 - .142	.143
.144	.145 - .146	.147
.148	.149 - .150	.151
.152	.153 - .154	.155
.156	.157 - .158	.159
.160	.161 - .162	.163
.164	.165 - .166	.167
.168	.169 - .170	.171
.172	.173 - .174	.175
.176	.177 - .178	.179
.180	.181 - .182	.183
.184	.185 - .186	.187
.188	.189 - .190	.191
.192	.193 - .194	.195
.196	.197 - .198	.199
.200	.201 - .202	.203
.204	.205 - .206	.207
.208	.209 - .210	.211
.212	.213 - .214	.215
.216	.217 - .218	.219
.220	.221 - .222	.223
.224	.225 - .226	.227
.228	.229 - .230	.231
.232	.233 - .234	.235
.236	.237 - .238	.239
.240	.241 - .242	.243
.244	.245 - .246	.247
.248	.249 - .250	.241
.252	.253 - .254	.255