

CIDR Conversion Table

This document contains table to cross reference between Subnet Mask and CIDR notation.

CIDR Length	Mask	# Networks	Class	# Hosts
/1	128.0.0.0	128	A	2,147,483,392
/2	192.0.0.0	64	A	1,073,741,696
/3	224.0.0.0	32	A	536,870,848
/4	240.0.0.0	16	A	268,435,424
/5	248.0.0.0	8	A	134,217,712
/6	252.0.0.0	4	A	67,108,856
/7	254.0.0.0	2	A	33,554,428
/8	255.0.0.0	1	A	16,777,214
/9	255.128.0.0	128	B	8,388,352
/10	255.192.0.0	64	B	4,194,176
/11	255.224.0.0	32	B	2,097,088
/12	255.240.0.0	16	B	1,048,544
/13	255.248.0.0	8	B	524,272
/14	255.252.0.0	4	B	262,136
/15	255.254.0.0	2	B	131,068
/16	255.255.0.0	1	B	65,024
/17	255.255.128.0	128	C	32,512
/18	255.255.192.0	64	C	16,256
/19	255.255.224.0	32	C	8,128
/20	255.255.240.0	16	C	4,064
/21	255.255.248.0	8	C	2,032
/22	255.255.252.0	4	C	1,016
/23	255.255.254.0	2	C	508
/24	255.255.255.0	1	C	254

CIDR Length	Mask	# Networks	# Hosts
/25	255.255.255.128	2 subnets	124
/26	255.255.255.192	4 subnets	62
/27	255.255.255.224	8 subnets	30
/28	255.255.255.240	16 subnets	14
/29	255.255.255.248	32 subnets	6
/30	255.255.255.252	64 subnets	2
/31	255.255.255.254	none	none
/32	255.255.255.255	1/256 C	1

Related articles

- [eDCA - Administration](#)
- [CIDR Conversion Table](#)
- [Envision Components Network Inter-Connections](#)