

Subnet Mask Cheat Sheet

CIDR	Subnet Mask	Wildcard Mask	# Addresses	# Assignable Hosts	
<i>CIDR block suffix</i>	<i>Dotted-decimal mask delineating the subnet and host portions of an address</i>	<i>Dotted-decimal mask (inverted subnet mask)</i>	<i>Number of addresses in each subnet</i>	<i>Number of assignable host addresses in each subnet</i>	
/8	255 .0.0.0	0. 255 .255.255	16,777,216	16,777,214	Class A
/9	255. 128 .0.0	0. 127 .255.255	8,388,608	8,388,606	
/10	255. 192 .0.0	0. 63 .255.255	4,194,304	4,194,302	
/11	255. 224 .0.0	0. 31 .255.255	2,097,152	2,097,150	
/12	255. 240 .0.0	0. 15 .255.255	1,048,576	1,048,574	
/13	255. 248 .0.0	0. 7 .255.255	524,288	524,286	
/14	255. 252 .0.0	0. 3 .255.255	262,144	262,142	
/15	255. 254 .0.0	0. 1 .255.255	131,072	131,070	
/16	255. 255 .0.0	0. 0 .255.255	65,536	65,534	Class B
/17	255.255. 128 .0	0.0. 127 .255	32,768	32,766	
/18	255.255. 192 .0	0.0. 63 .255	16,384	16,382	
/19	255.255. 224 .0	0.0. 31 .255	8,192	8,190	
/20	255.255. 240 .0	0.0. 15 .255	4,096	4,094	
/21	255.255. 248 .0	0.0. 7 .255	2,048	2,046	
/22	255.255. 252 .0	0.0. 3 .255	1,024	1,022	
/23	255.255. 254 .0	0.0. 1 .255	512	510	
/24	255.255. 255 .0	0.0. 0 .255	256	254	Class C
/25	255.255.255. 128	0.0.0. 127	128	126	
/26	255.255.255. 192	0.0.0. 63	64	62	
/27	255.255.255. 224	0.0.0. 31	32	30	
/28	255.255.255. 240	0.0.0. 15	16	14	
/29	255.255.255. 248	0.0.0. 7	8	6	
/30	255.255.255. 252	0.0.0. 3	4	2	
/31	255.255.255. 254	0.0.0. 1	2	0	
/32	255.255.255. 255	0.0.0. 0	1	0	