

## Class A Subnets and Host IP addresses

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# bits	Subnet Mask	CIDR	# Subnets	# Hosts	Total Hosts
2	255.192.0.0	/10	2	4194302	8388604
3	255.224.0.0	/11	6	2097150	12582900
4	255.240.0.0	/12	14	1048574	14680036
5	255.248.0.0	/13	30	524286	15728580
6	255.252.0.0	/14	62	262142	16252804
7	255.254.0.0	/15	126	131070	16514820
8	255.255.0.0	/16	254	65534	16645636
<b>9</b>	<b>255.255.128.0</b>	<b>/17</b>	<b>510</b>	<b>32766</b>	<b>16710660</b>
10	255.255.192.0	/18	1022	16382	16742404
11	255.255.224.0	/19	2046	8190	16756740
12	255.255.240.0	/20	4094	4094	16760836
13	255.255.248.0	/21	8190	2046	16756740
14	255.255.252.0	/22	16382	1022	16742404
15	255.255.254.0	/23	32766	510	16710660
16	255.255.255.0	/24	65534	254	16645636
<b>17</b>	<b>255.255.255.128</b>	<b>/25</b>	<b>131070</b>	<b>126</b>	<b>16514820</b>
18	255.255.255.192	/26	262142	62	16252804
19	255.255.255.224	/27	524286	30	15728580
20	255.255.255.240	/28	1048574	14	14680036
21	255.255.255.248	/29	2097150	6	12582900
22	255.255.255.252	/30	4194302	2	8388604

## Class B Subnets and Host IP addresses

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# bits	Subnet Mask	CIDR	# Subnets	# Hosts	Total Hosts
2	255.255.192.0	/18	2	16382	32764

3	255.255.224.0	/19	6	8190	49140
4	255.255.240.0	/20	14	4094	57316
5	255.255.248.0	/21	30	2046	61380
6	255.255.252.0	/22	62	1022	63364
7	255.255.254.0	/23	126	510	64260
8	255.255.255.0	/24	254	254	64516
<b>9</b>	<b>255.255.255.128</b>	<b>/25</b>	<b>510</b>	<b>126</b>	<b>64260</b>
10	255.255.255.192	/26	1022	62	63364
11	255.255.255.224	/27	2046	30	61380
12	255.255.255.240	/28	4094	14	57316
13	255.255.255.248	/29	8190	6	49140
14	255.255.255.252	/30	16382	2	32764

### Class C Subnets and Host IP addresses

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# bits	Subnet Mask	CIDR	# Subnets	# Hosts	Total Hosts
2	255.255.255.192	/26	2	62	124
3	255.255.255.224	/27	6	30	180
4	255.255.255.240	/28	14	14	196
5	255.255.255.248	/29	30	6	180
6	255.255.255.252	/30	62	2	124