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			126	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		