

## eSubnet.net - Inverse Mask Table

Below is a translation table of netmask to inverse to CIDR.

Netmask	Inverse	/CIDR	Usable	Size
255.255.255.255	0.0.0.0	/32	1	1 Host
255.255.255.254	0.0.0.1	/31	0	2 Hosts
255.255.255.252	0.0.0.3	/30	2	4 Hosts
255.255.255.248	0.0.0.7	/29	6	8 Hosts
255.255.255.240	0.0.0.15	/28	14	16 Hosts
255.255.255.224	0.0.0.31	/27	30	32 Hosts
255.255.255.192	0.0.0.63	/26	62	64 Hosts
255.255.255.128	0.0.0.127	/25	126	128 Hosts
255.255.255.0	0.0.0.255	/24	254	1 Class 'C'
255.255.254.0	0.0.1.255	/23	510	2 Class 'C's
255.255.252.0	0.0.3.255	/22	1,022	4 Class 'C's
255.255.248.0	0.0.7.255	/21	2,046	8 Class 'C's
255.255.240.0	0.0.15.255	/20	4,094	16 Class 'C's
255.255.224.0	0.0.31.255	/19	8,190	32 Class 'C's
255.255.192.0	0.0.63.255	/18	16,382	64 Class 'C's
255.255.128.0	0.0.127.255	/17	32,766	128 Class 'C's
255.255.0.0	0.0.255.255	/16	65,534	1 Class 'B'
255.254.0.0	0.1.255.255	/15	131,070	2 Class 'B's
255.252.0.0	0.3.255.255	/14	262,142	4 Class 'B's
255.248.0.0	0.7.255.255	/13	524,286	8 Class 'B's
255.240.0.0	0.15.255.255	/12	1,048,574	16 Class 'B's
255.224.0.0	0.31.255.255	/11	2,097,150	32 Class 'B's
255.192.0.0	0.63.255.255	/10	4,194,302	64 Class 'B's
255.128.0.0	0.127.255.255	/9	8,388,606	128 Class 'B's
255.0.0.0	0.255.255.255	/8	16,777,214	1 Class 'A'
254.0.0.0	1.255.255.255	/7	33,554,430	2 Class 'A's
252.0.0.0	3.255.255.255	/6	67,108,862	4 Class 'A's
248.0.0.0	7.255.255.255	/5	134,217,726	8 Class 'A's
240.0.0.0	15.255.255.255	/4	268,435,454	16 Class 'A's
224.0.0.0	31.255.255.255	/3	536,870,910	32 Class 'A's
192.0.0.0	63.255.255.255	/2	1,073,741,822	64 Class 'A's
128.0.0.0	127.255.255.255	/1	2,147,483,646	128 Class 'A's
0.0.0.0	255.255.255.255	/0	4,294,967,294	The Internet

### How Can eSubnet Help you

We understand not only the security and technology of networking, but also the critical role it plays in business. Contact us when you are planning your next ICT project to see how we can work with your team to ensure project success.