

Networking

IPv4

Name	Old Name	Largest CIDR Block / Subnet mask
24Bit	"Class A"	10.0.0.0/8, 255.0.0.0
20Bit	"Class B"	172.16.0.0/12, 255.240.0.0
16Bit	"Class C"	192.168.0.0/16, 255.255.0.0

Reserved IPs:

1. 127.0.0.0/8 → defines as localhost
2. 100.64.0.0/10 (255.192.0.0) → carrier grade NAT
3. 0.0.0.0/8 → undefined
4. 224.0.0.0 to 239.255.255.255 → multicast

Netmasking

32	255.255.255.255	1
31	255.255.255.254	2
30	255.255.255.252	4
29	255.255.255.248	8
28	255.255.255.240	16
27	255.255.255.224	32
26	255.255.255.192	64
25	255.255.255.128	128
24	255.255.255.0	256
23	255.255.254.0	512

IPv6

fe80::/10	link local
fc00::/7	unique local