

The **subnet mask** is used to identify the network

e.g. ip add: 192.168.0.3 /24

192.168.0.3 = 11000000.10101000.00000000.00000011

11000000.10101000.00000000.00000011 = 192.168.0.0

the rest of the bits are for the host portion: 8 bits for host portion

The first 24 bits of the ip address are equal to the network portion:

portion of an address from the host portion.

All devices on the same network

will have the same network

portion of the address.

The host portion is

unique for each

device on the

network.