

Privet Class B IP: 172.16.x.x

IP Address:	172.16.0.0
Network Address:	172.16.0.0
Usable Host IP Range:	172.16.0.1 - 172.16.15.254
Broadcast Address:	172.16.15.255
Total Number of Hosts:	4,096
Number of Usable Hosts:	4,094
Subnet Mask:	255.255.240.0
Wildcard Mask:	0.0.15.255
Binary Subnet Mask:	11111111.11111111.11110000.00000000
IP Class:	B
CIDR Notation:	/20
IP Type:	Private
Short:	172.16.0.0 /20
Binary ID:	10101100000100000000000000000000
Integer ID:	2886729728
Hex ID:	0xac100000
in-addr.arpa:	0.0.16.172.in-addr.arpa
IPv4 Mapped Address:	::ffff:ac10.00
6to4 Prefix:	2002:ac10.00::/48

### All 16 of the Possible /20 Networks for 172.16.\*.\*

Network Address	Usable Host Range	Broadcast Address:
172.16.0.0	172.16.0.1 - 172.16.15.254	172.16.15.255
172.16.16.0	172.16.16.1 - 172.16.31.254	172.16.31.255
172.16.32.0	172.16.32.1 - 172.16.47.254	172.16.47.255
172.16.48.0	172.16.48.1 - 172.16.63.254	172.16.63.255
172.16.64.0	172.16.64.1 - 172.16.79.254	172.16.79.255
172.16.80.0	172.16.80.1 - 172.16.95.254	172.16.95.255
172.16.96.0	172.16.96.1 - 172.16.111.254	172.16.111.255
172.16.112.0	172.16.112.1 - 172.16.127.254	172.16.127.255

172.16.128.0	172.16.128.1 - 172.16.143.254	172.16.143.255
172.16.144.0	172.16.144.1 - 172.16.159.254	172.16.159.255
172.16.160.0	172.16.160.1 - 172.16.175.254	172.16.175.255
172.16.176.0	172.16.176.1 - 172.16.191.254	172.16.191.255
172.16.192.0	172.16.192.1 - 172.16.207.254	172.16.207.255
172.16.208.0	172.16.208.1 - 172.16.223.254	172.16.223.255
172.16.224.0	172.16.224.1 - 172.16.239.254	172.16.239.255
172.16.240.0	172.16.240.1 - 172.16.255.254	172.16.255.255

172.16.0.x – Future Improvement

172.16.16.x – MDF Main Network includes Routers, Switches, and servers

172.16.32.x – (VLAN32) Employees Wired and Wireless Network

172.16.48.x - (VLAN48) Residents Wired Network

172.16.64.x - (VLAN64) Voice over IP Communication

**172.16.240.x – (VLAN240) Cameras & securities**

