| **Device** | **Interface** | **IP Address** | **Subnet Mask** | **Default Gateway** |
| --- | --- | --- | --- | --- |
|  | G0/0 | 10.1.1.97 | 255.255.255.240 | N/A |
| HQ | G0/1 | 10.1.1.65 | 255.255.255.224 | N/A |
|  | S0/0/0 | 10.1.1.121 | 255.255.255.252 | N/A |
|  | G0/0 | 10.1.1.113 | 255.255.255.248 | N/A |
| Remote | G0/1 | 10.1.1.1 | 255.255.255.192 | N/A |
|  | S0/0/0 | 10.1.1.122 | 255.255.255.252 | N/A |
| HQ-1 | VLAN 1 | 10.1.1.98 | 255.255.255.240 | 10.1.1.97 |
| HQ-2 | VLAN 1 | 10.1.1.66 | 255.255.255.224 | 10.1.1.65 |
| Remote-1 | VLAN 1 | 10.1.1.114 | 255.255.255.248 | 10.1.1.113 |
| Remote-2 | VLAN 1 | 10.1.1.2 | 255.255.255.192 | 10.1.1.1 |
| WS116 | NIC | 10.1.1.110 | 255.255.255.240 | 10.1.1.97 |
| WS145 | NIC | 10.1.1.94 | 255.255.255.224 | 10.1.1.65 |
| WS203 | NIC | 10.1.1.118 | 255.255.255.248 | 10.1.1.113 |
| WS234 | NIC | 10.1.1.62 | 255.255.255.192 | 10.1.1.1 |

| **Subnet Description** | **Number of Hosts Needed** | **Network Address/CIDR** | **First Usable Host Address** | **Broadcast Address** |
| --- | --- | --- | --- | --- |
| Remote-2 LAN | 47 (64) | 10.1.1.0/26 | 10.1.1.1 | 10.1.1.63 |
| HQ-2 LAN | 28 (32) | 10.1.1.64/27 | 10.1.1.65 | 10.1.1.95 |
| HQ-1 LAN | 11 (16) | 10.1.1.96/28 | 10.1.1.97 | 10.1.1.111 |
| Remote-1 LAN | 5 (8) | 10.1.1.112/29 | 10.1.1.113 | 10.1.1.119 |
| WAN | 2 (4) | 10.1.1.120/30 | 10.1.1.121 | 10.1.1.123 |