|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **BMA IP Addressing Scheme**  DHCP SCOPES: | | | | |
| **VLAN 10: WIRELESS (510 Hosts)** | | | | |
| **Subnet Mask** | **Network** | **Max Hosts** | **Usable Address Range** | **Broadcast** |
| 255.255.254.0  (Students) | 192.168.10.0 | 510 | 192.168.10.1 | 192.168.11.255 |
| -  -  - |  |
| 192.168.11.254 |  |
| **VLAN 5: WIRELESS (254 Hosts)** | | | | |
| **Subnet Mask** | **Network** | **Max Hosts** | **Usable Address Range** | **Broadcast** |
| 255.255.255.0  (Employees) | 192.168.5.0 | 254 | 192.168.5.1 | 192.168.5.255 |
| -  -  - |  |
| 192.168.5.254 |  |
| **VLAN 20: WIRELESS (510 Hosts)** | | | | |
| **Subnet Mask** | **Network** | **Max Hosts** | **Usable Address Range** | **Broadcast** |
| 255.255.254.0  (Guests) | 192.168.20.0 | 510 | 192.168.21.1 | 192.168.21.255 |
| -  -  - |  |
| 192.168.21.254 |  |
|  |  |  |  |  |
| **VLAN 30: LAN (254 Hosts)** | | | | |
| **Subnet Mask** | **Network** | **Max Hosts** | **Usable Address Range** | **Broadcast** |
| 255.255.255.0  (Employees, Printers | 192.168.30.0 | 254 | 192.168.30.1 | 192.168.31.255 |
| -  -  - |  |
| 192.168.31.254 |  |
| **VLAN 60: VOIP (254 Hosts)** | | | | |
| **Subnet Mask** | **Network** | **Max Hosts** | **Usable Address Range** | **Broadcast** |
| 255.255.255.0 | 192.168.60.0 | 254 | 192.168.60.1 | 192.168.60.255 |
| -  -  - |  |
| 192.168.60.254 |  |
|  |  |  |  |  |
| **VLAN 40: MANAGEMENT (254 Hosts)** | | | | |
| **Subnet Mask** | **Network** | **Max Hosts** | **Usable Address Range** | **Broadcast** |
| 255.255.255.0 | 192.168.40.0 | 254 | 192.168.40.1 | 192.168.40.255 |
| -  -  - |  |
| 192.168.40.254 |  |
|  |  |  |  |  |
| **VLAN 50: SERVER (30 Hosts)** | | | | |
| **Subnet Mask** | **Network** | **Max Hosts** | **Usable Address Range** | **Broadcast** |
| 255.255.255.224 | 10.0.0.0 | 30 | 10.0.0.1 | 10.0.0.31 |
| -  -  - |  |
| 10.0.0.30 |  |
|  |  |  |  |  |
| **VLAN 70: CCTV (254 Hosts)** | | | | |
| **Subnet Mask** | **Network** | **Max Hosts** | **Usable Address Range** | **Broadcast** |
| 255.255.255.0 | 192.168.70.0 | 254 | 192.168.70.1 | 192.168.70.255 |
| -  -  - |  |
| 192.168.70.254 |  |
|  |  |  |  |  |