**Таблица устройств:**

| **Устройство** | **Интерфейс** | **Подключения** | **IP адрес/префикс** | **Маска** | **Шлюз по умолчанию** |
| --- | --- | --- | --- | --- | --- |
| R1 | G0/0/0 | R2 | 192.168.0.161/28 | 255.255.255.240 | - |
|  | G0/0/1 | S0 A | 192.168.0.129/27 | 255.255.255.224 | - |
| R2 | G0/0/0 | R1 | 172.16.0.97/28 | 255.255.255.240 | - |
|  | G0/0/1 | S0 A | 172.16.0.65/27 | 255.255.255.224 | - |
| S0 A | Fa0/1 | Server1 | 192.168.0.1/25 | 255.255.255.128 | 192.168.0.1 |
|  | Fa0/2 | Server2 | 192.168.0.1/25 | 255.255.255.128 | 192.168.0.1 |
|  | Fa0/3 | S1 A | 192.168.0.1/25 | 255.255.255.128 | 192.168.0.1 |
|  | Fa0/4 | S1 A | 192.168.0.1/25 | 255.255.255.128 | 192.168.0.1 |
|  | Fa0/5 | S2 A | 192.168.0.1/25 | 255.255.255.128 | 192.168.0.1 |
|  | Fa0/6 | S2 A | 192.168.0.1/25 | 255.255.255.128 | 192.168.0.1 |
| S1 A | Fa0/3 | PC1 | 192.168.0.1/25 | 255.255.255.128 | 192.168.0.1 |
|  | Fa0/4 | PC2 | 192.168.0.1/25 | 255.255.255.128 | 192.168.0.1 |
|  | Fa0/5 | S2 A | 192.168.0.1/25 | 255.255.255.128 | 192.168.0.1 |
| S2 A | Fa0/3 | PC3 | 192.168.0.1/25 | 255.255.255.128 | 192.168.0.1 |
|  | Fa0/4 | PC4 | 192.168.0.1/25 | 255.255.255.128 | 192.168.0.1 |
| S0 B | Fa0/1 | Server3 | 172.16.0.1/26 | 255.255.255.192 | 172.16.0.1 |
|  | Fa0/2 | Server4 | 172.16.0.1/26 | 255.255.255.192 | 172.16.0.1 |
|  | Fa0/3 | S1 B | 172.16.0.1/26 | 255.255.255.192 | 172.16.0.1 |
|  | Fa0/4 | S1 B | 172.16.0.1/26 | 255.255.255.192 | 172.16.0.1 |
|  | Fa0/5 | S2 B | 172.16.0.1/26 | 255.255.255.192 | 172.16.0.1 |
|  | Fa0/6 | S2 B | 172.16.0.1/26 | 255.255.255.192 | 172.16.0.1 |
| S1 B | Fa0/3 | PC5 | 172.16.0.1/26 | 255.255.255.192 | 172.16.0.1 |
|  | Fa0/4 | PC6 | 172.16.0.1/26 | 255.255.255.192 | 172.16.0.1 |
|  | Fa0/5 | S2 B | 172.16.0.1/26 | 255.255.255.192 | 172.16.0.1 |
| S2 B | Fa0/3 | PC7 | 172.16.0.1/26 | 255.255.255.192 | 172.16.0.1 |
|  | Fa0/4 | PC8 | 172.16.0.1/26 | 255.255.255.192 | 172.16.0.1 |
| Server1 | Fa0 | S1 A | 192.168.0.129/27 | 255.255.255.224 | 192.168.0.129 |
| Server2 | Fa0 | S1 A | 192.168.0.129/27 | 255.255.255.224 | 192.168.0.129 |
| Server3 | Fa0 | S2 B | 172.16.0.65/27 | 255.255.255.224 | 172.16.0.65 |
| Server4 | Fa0 | S2 B | 172.16.0.65/27 | 255.255.255.224 | 172.16.0.65 |
| PC1 | NIC | S1(A) | DHCP | DHCP | DHCP |
| PC2 | NIC | S1(A) | DHCP | DHCP | DHCP |
| PC3 | NIC | S2(A) | DHCP | DHCP | DHCP |
| PC4 | NIC | S2(A) | DHCP | DHCP | DHCP |
| PC5 | NIC | S1(B) | DHCP | DHCP | DHCP |
| PC6 | NIC | S1(B) | DHCP | DHCP | DHCP |
| PC7 | NIC | S2(B) | DHCP | DHCP | DHCP |
| PC8 | NIC | S2(B) | DHCP | DHCP | DHCP |