



# **Proposta de Modelagem de Rede**



# Grupo

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**01**

# Distribuição de IPs

# Site 1 – Site SP (Filial)

- **INFO IP Vlan 2 (ADM)**

Network: 192.168.2.0 255.255.255.0

Default-Gateway: 192.168.2.1

Faixa de IPs permitidos para o DHCP:  
192.168.2.2 até 192.168.2.25

- **INFO IP Vlan 4  
(WifiWorkers)**

Network: 192.168.4.0 255.255.255.0

Default-Gateway: 192.168.4.1

Faixa de IPs permitidos para o DHCP:  
192.168.4.2 até 192.168.4.5

- **INFO IP Vlan 3 (TI)**

Network: 192.168.3.0 255.255.255.0

Default-Gateway: 192.168.3.1

Faixa de IPs permitidos para o DHCP:  
192.168.3.2 até 192.168.3.15

- **INFO IP Vlan 5 (WifiGuests)**

Network: 192.168.5.0 255.255.255.0

Default-Gateway: 192.168.5.1

Faixa de IPs permitidos para o DHCP:  
192.168.5.2 até 192.168.5.5

# Site 2 - Site MG (Matriz)

- **INFO IP Vlan 2 (ADM)**

Network: 192.168.12.0 255.255.255.0

Default-Gateway: 192.168.12.1

DNS-SERVER: 192.168.16.2

Faixa de IPs permitidos para o DHCP:

192.168.12.2 até 192.168.12.40

- **INFO IP Vlan 4  
(WifiWorkers)**

Network: 192.168.14.0 255.255.255.0

Default-Gateway: 192.168.14.1

DNS-SERVER: 192.168.16.2

Faixa de IPs permitidos para o DHCP:

192.168.14.2 até 192.168.14.10

- **INFO IP Vlan 3 (TI)**

Network: 192.168.13.0 255.255.255.0

Default-Gateway: 192.168.13.1

DNS-SERVER: 192.168.16.2

Faixa de IPs permitidos para o DHCP:

192.168.13.2 até 192.168.13.30

- **INFO IP Vlan 5 (WifiGuests)**

Network: 192.168.15.0 255.255.255.0

Default-Gateway: 192.168.15.1

DNS-SERVER: 192.168.16.2

Faixa de IPs permitidos para o DHCP:

192.168.15.2 até 192.168.15.10

# Site 2 - Site MG (Matriz)

- **INFO IP Vlan 6 (Server)**

Network: 192.168.16.0 255.255.255.0

Default-Gateway: 192.168.16.1

Aqui só há IPs estáticos

Ip do Server: 192.168.16.2

# Site 3 – Site RJ (Filial)

- **INFO IP Vlan 2 (ADM)**

Network: 192.168.22.0 255.255.255.0

Default-Gateway: 192.168.22.1

Faixa de IPs permitidos para o DHCP:  
192.168.22.2 até 192.168.22.25

- **INFO IP Vlan 4  
(WifiWorkers)**

Network: 192.168.24.0 255.255.255.0

Default-Gateway: 192.168.24.1

Faixa de IPs permitidos para o DHCP:  
192.168.24.2 até 192.168.24.5

- **INFO IP Vlan 3 (TI)**

Network: 192.168.23.0 255.255.255.0

Default-Gateway: 192.168.23.1

Faixa de IPs permitidos para o DHCP:  
192.168.23.2 até 192.168.23.15

- **INFO IP Vlan 5 (WifiGuests)**

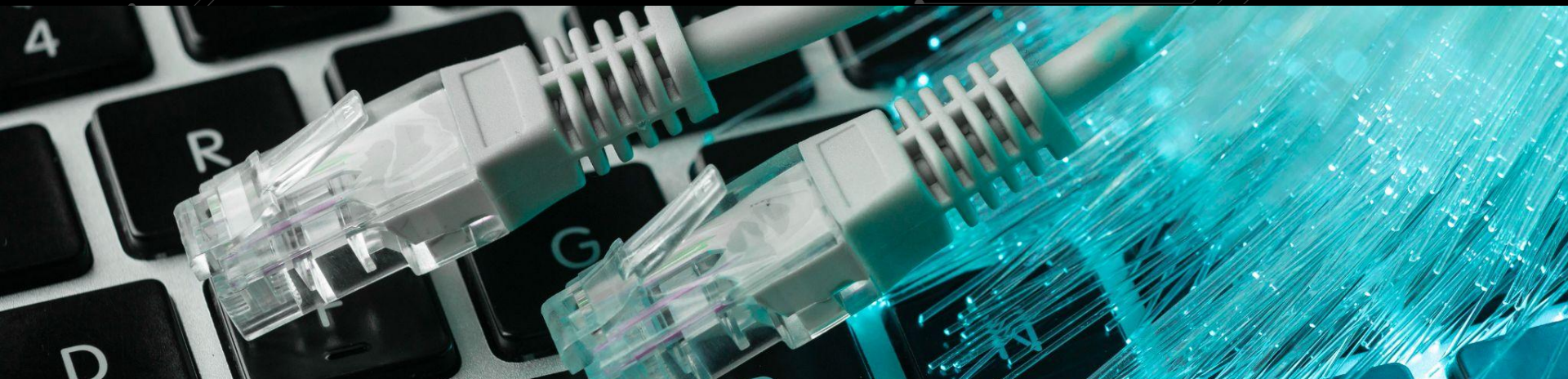
Network: 192.168.25.0 255.255.255.0

Default-Gateway: 192.168.25.1

Faixa de IPs permitidos para o DHCP:  
192.168.25.2 até 192.168.25.5



# 02 Orçamento





# Server

## Cisco UCS C240 M7 Rack Server 4th or 5th Gen Intel Xeon Scalable processors

[Read data sheet](#)

Cuts server operating costs combined with simplified infrastructure management.

- 2 sockets, up to 64 cores per socket
- Support for Cisco UCS VIC 15000 Series adapters as well as third-party options;
- Up to 28 SAS/SATA or NVMe disk drives
- Up to 5 GPUs supported

[Link](#)

## Cisco UCS C240 M7 R2L Rack Server - Intel Xeon - No CPU

☆☆☆☆☆ (0) Insight #: UCSC-C240-M7SX-NEW Mfr #: UCSC-C240-M7SX-NEW UNSPSC #: 43211501

Your price: USD **\$4,270.99**

❗ Item backordered

This item will ship once it's back in stock.



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### Tech overview

Cisco UCS C240 M7 R2L Rack Server - No CPU - 2RU rack server - up to 28x SFF drive bays

[Link](#)

# Switch



## Catalyst 9300X Switches (C9300X)

- Fixed, StackWise-1T
- 1G, 2.5G, 5G, 10G, mGig, 25G, 40G, 100G fiber, 90W UPOE+
- 1-Tbps switching capacity
- Cisco DNA Center, SD-Access, Meraki Cloud monitoring, E-LLW

[Link](#)

24-port 1G, 60W PoE, high performance

C9300-24UB. Built with double buffers, MAC and IP scale, and higher access control list (ACL) scale. 24-port 1G/100M/10M, 60W PoE. Based on Cisco UADP 2.0XL ASIC.

[Link](#)

Cisco Catalyst 9300 - Network Advantage - switch - 24 ports - managed - rack-mountable

☆☆☆☆☆ (0) Insight #: C9300-24UB-A Mfr #: C9300-24UB-A UNSPSC #: 43222612

Your price: USD **\$6,625.99**



Tech overview

Cisco Catalyst 9300 - Network Advantage - switch - L3 - managed - 24 x 10/100/1000 (UPOE) - rack-mountable - UPOE (830 W)

# Router



## ISR 1120

- Cisco IOS XE software
- Cisco Catalyst SD-WAN security
- 8 Gigabit Ethernet WAN/LAN ports
- Pluggable LTE, Wi-Fi, and DSL options

## ISR 1100X-6G

- Fixed, Access
- SD-WAN Only, Broadband, Security, ThousandEyes
- 970 Mbps SD-WAN Encrypted Throughput
- 160 Mbps SD-WAN IQDF + ZBFW + IPS
- Upto 6 WAN Ports

[Link](#)

[Link](#)

## Cisco FirePOWER 1120 Next-Generation Firewall - firewall

☆☆☆☆☆ (0) Insight #: FPR1120-NGFW-K9 Mfr #: FPR1120-NGFW-K9 UNSPSC #: 43191511



Your price: USD **\$2,364.99**

List price: ~~USD \$2,453.99~~ Save **\$89.00**

✓ In stock: 26 available

Tech overview

Cisco FirePOWER 1120 Next-Generation Firewall - Firewall - 1U - rack-mountable

# Wireless Router



IW9167EH-x-AP

Wi-Fi 6/6E access point

- Multi-radio, 4 × 4: 4 spatial streams
- External antennas, 6-GHz hardware support
- Onboard GNSS, BLE, SFP+ port
- Temperature range of -50° to 75°C

[Link](#)

Cisco Catalyst IW9167E Heavy Duty - wireless access point - Bluetooth, 802.11a/b/g/n/ac/ax (Wi-Fi 6E)

☆☆☆☆ (0) Insight #: IW9167EH-E-AP Mfr #: IW9167EH-E-AP UNSPSC #: 43223108



Your price: USD **\$2,524.00**

List price: USD ~~\$2,618.99~~ Save **\$94.99**

🚫 Item backordered

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## Tech overview

Cisco Catalyst IW9167E Heavy Duty - Wireless access point - 10 GigE, 5 GigE, 2.5 GigE - Wi-Fi 6E - Bluetooth - 2.4 GHz, 5 GHz, 6 GHz

[View full product specifications](#)

[Link](#)

1 Servidor → \$ 4,270.99

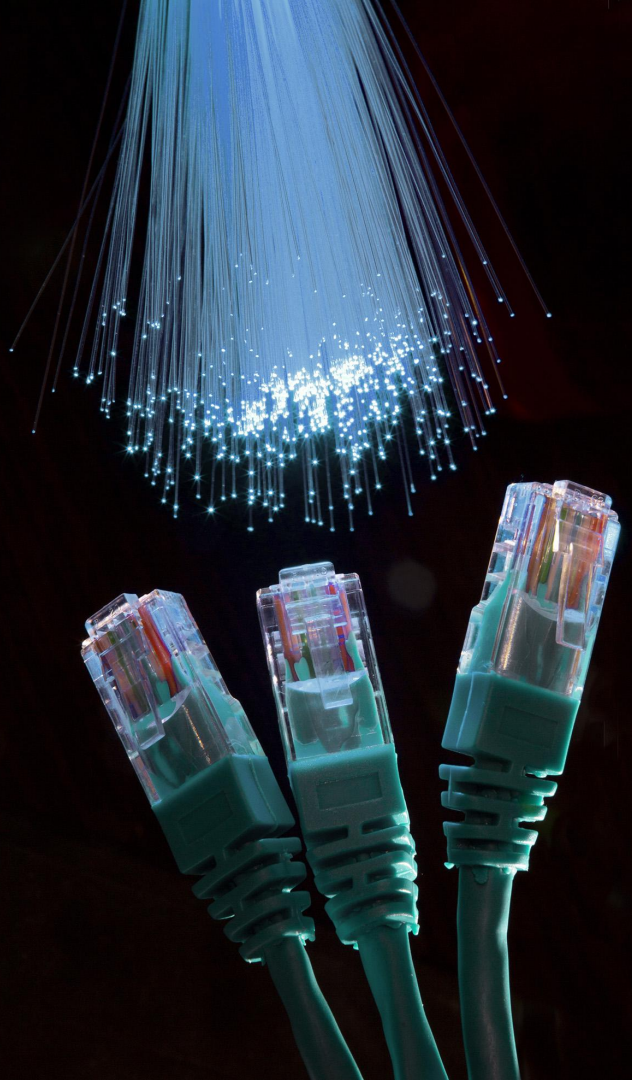
4 Switches → \$ 6,625.99 \* 4 = \$ 26,503.96

3 Roteadores → \$ 2,364.99 \* 3 = \$ 7,094.97

6 Access Point → \$ 2,524.00 \* 6 = \$ 15,144.00

**\$ 53,013.92**

R\$ 287.621,72





**FIM!**

