Levantamento de necessidades do projeto final de protocolos de rede

**Serviço Vodafone empresas**

Telefone fixo : <https://www.onedirect.pt/produtos/yealink/yealink-w56h>

2 leitor biométrico: 36€ \*2

<https://www.pccomponentes.pt/avpos-cpb80-terminal-biometrico-de-controlo-de-presencas-preto?srsltid=AfmBOorLWblYeZqX0k2wogJFdjOyv0vbJ98zJtwbyOEHu2_Ef7j7fflSqbc>

8 camaras videovigilância: 200,28€ +iva

https://www.hikvision.com/pt/products/IP-Products/Network-Cameras/Pro-Series-EasyIP-/ds-2cd2187g2h-li-su-/?subName=DS-2CD2187G2H-LISU

5 impressoras: 699.72€ \*5

<https://hipermercado.pt/pt/impressoras/90827-hp-laserjet-enterprise-mfp-m480f-color-laser-multifuncional-fax-duplex-branco-0193905216840.html>

**15 computadores**

1 Projetor: 799.99€

https://www.worten.pt/produtos/projetor-samsung-sp-lff3claxxxe-freestyle-2nd-gen-2023-lsp-3-led-smart-tv-branco-7850124

1 Tela para projetor: 529.99€

<https://www.worten.pt/produtos/tela-de-projecao-fonestar-ppel-43150-fa-eletrica-150-3-x-2-3-m-7073041>

1 bastidor

1 firewall: 372€

<https://www.amazon.es/dp/B0B5M23KH9?shipTo=PT&source=ps-sl-shoppingads-lpcontext&ref_=fplfs&psc=1&smid=A1AT7YVPFBWXBL&language=pt_PT&language=pt_PT>

2 Switchs 20 portas ou 1 de 40portas – c/PoE: 279,90 € \*2

<https://www.pcdiga.com/switch-tp-link-tl-sg1428pe-28-portas-gigabit-smart-managed-poe-sfp-rack-mountable-tl-sg1428pe-6935364072209>

**Router da operadora**

Servidor – 3132.99€

https://www.pccomponentes.com/hpe-proliant-dl380-gen10-intel-xeon-silver-4210r-32gb

Sistema Operativo – Windows 11 pro – 259€ \*15

Windows Server: Standard com 1070€ \*1

AcessPoint / Mesh - 349.90€ \*1

<https://www.pcdiga.com/sistema-mesh-linksys-mx5503-atlas-pro-6-ax5400-dual-band-wifi-6-gigabit-pack-3-mx5503-ke-4260184672684>

Servidor Git Lab – 348$ por ano

https://about.gitlab.com/pricing/