

***MINISTÉRIO DA EDUCAÇÃO***

***SECRETARIA DE EDUCAÇÃO PROFISSIONAL E TECNOLÓGICA***

***INSTITUTO FEDERAL DE EDUCAÇÃO, CIÊNCIA E TECNOLOGIA DE PERNAMBUCO CAMPUS BELO JARDIM***

***Técnico em informática para a internet - subsequente***



***PROJETO DE ADMINISTRAÇÃO DE REDES***

***SUBSEQUENTE- 4° Período***

***IFPE - BELO JARDIM 2023***

Sumário

|  |  |
| --- | --- |
| **1. INTRODUÇÃO** | **2** |
| 1.1. DADOS | 2 |
| **2. REFERÊNCIAS** | **3** |
| **3. IDENTIFICAÇÃO DOS ESPAÇOS** | **8** |
| 3.1. TI: | 8 |
| 3.2. RECEPÇÃO: | 8 |
| 3.3. GERÊNCIA: | 8 |
| 3.4. COMERCIAL: | 8 |
| 3.5. CONTÁBIL | 8 |
| **4. Tamanho de cada Departamento** | **9** |
| **5. Croqui da Planta (Visão de vertical)** | **9** |
| **6. Croqui da Planta 3D** | **10** |
| **7. Infraestrutura de rede** | **11** |
| **8. Planta usada para cálculos de cabeamentos** | **12** |
| **9. Equipamentos e suas especificações:** | **13** |
| 9.1. Servidor Torre: PowerEdge T350 (Preço R$ 10.211,00) | 13 |
| 9.2. Servidor Torre PowerEdge T150 (DADOS) (R$ 9.266,00) | 13 |
| 9.3. Roteador CISCO C1111-4PWZ (R$13.029,15) | 13 |

9.4. Kit Roteador TP-Link Wi-Fi Mesh Gigabit 5GHz Deco M4 (R$ 639,00) 14

|  |  |
| --- | --- |
| 9.5. Impressora Canon Multifuncional (R$ 3.513,99) | 14 |
| 9.6. Switch Wired TP-Link Gigabit 24 Portas (R$ 769,99) | 14 |
| 9.7. Cabeamento 7 Uni. (R$ 294,70) | 15 |
| 9.8. Desktop (R$ 7.892,00) | 15 |
| 9.9. Notebook (R$ 5.129,10) | 15 |
| 9.10. THIN CLIENT DELL WYSE 5010 (10 uni) (R$1.679,00) | 16 |
| **10. Orçamento Total:** | **16** |

PROJETO ADMINISTRAÇÃO DE

REDES

01.10.2023

João Almeida

# 1. INTRODUÇÃO

Esse documento se trata de uma aplicação de Adm. de Redes que segue funcionamento desde a planta até aplicações funcionais em empresas.

1.1. DADOS

1. Planta da infraestrutura
2. Planta esquematizada (Física)
3. Planta Baixa
4. Tipos de equipamentos essenciais
5. Redes Físicas
6. Orçamento

# 2. REFERÊNCIAS

1. [https://www.dell.com/pt-br/dt/servers/poweredge-tower-servers.htm# tab0=0](https://www.dell.com/pt-br/dt/servers/poweredge-tower-servers.htm#tab0=0)
2. [https://www.dell.com/pt-br/shop/servidores-armazenamento-rede/ser vidor-torre-poweredge-t350/spd/poweredge-t350/pe\_t350\_15326\_bcc\_ 1?gacd=9657105-15015-5761040-275878141-0&dgc=ST&cid=717000001 01046197&gclid=CjwKCAiAhKycBhAQEiwAgf19elM-FYwdB14P1oO-p mwop3Yd2QoH1TQ\_w2TE-0oqBZwM5HmnUSC9WBoCeZ4QAvD\_BwE &gclsrc=aw.ds&nclid=5Kc-7p8cjVkQHzCizp1neClSwE7uBKcgzINjnY6B](https://www.dell.com/pt-br/shop/servidores-armazenamento-rede/servidor-torre-poweredge-t350/spd/poweredge-t350/pe_t350_15326_bcc_1?gacd=9657105-15015-5761040-275878141-0&dgc=ST&cid=71700000101046197&gclid=CjwKCAiAhKycBhAQEiwAgf19elM-FYwdB14P1oO-pmwop3Yd2QoH1TQ_w2TE-0oqBZwM5HmnUSC9WBoCeZ4QAvD_BwE&gclsrc=aw.ds&nclid=5Kc-7p8cjVkQHzCizp1neClSwE7uBKcgzINjnY6BQEum_dWRfIKN-mMp5Sj6BCJ6&configurationid=3fbbf73e-4478-49db-8cea-7d60e35be3e6)

[QEum\_dWRfIKN-mMp5Sj6BCJ6&configurationid=3fbbf73e-4478-49db -8cea-7d60e35be3e6](https://www.dell.com/pt-br/shop/servidores-armazenamento-rede/servidor-torre-poweredge-t350/spd/poweredge-t350/pe_t350_15326_bcc_1?gacd=9657105-15015-5761040-275878141-0&dgc=ST&cid=71700000101046197&gclid=CjwKCAiAhKycBhAQEiwAgf19elM-FYwdB14P1oO-pmwop3Yd2QoH1TQ_w2TE-0oqBZwM5HmnUSC9WBoCeZ4QAvD_BwE&gclsrc=aw.ds&nclid=5Kc-7p8cjVkQHzCizp1neClSwE7uBKcgzINjnY6BQEum_dWRfIKN-mMp5Sj6BCJ6&configurationid=3fbbf73e-4478-49db-8cea-7d60e35be3e6)

1. [https://www.dell.com/pt-br/shop/servidores-armazenamento-rede/ser vidor-torre-poweredge-t150/spd/poweredge-t150/pe\_t150\_15330\_bcc\_ 1?gacd=9657105-15015-5761040-275878141-0&dgc=ST&cid=717000001 01046197&gclid=CjwKCAiAhKycBhAQEiwAgf19eiiGac8IcdyEZqeGRGf r\_TnmMcvbtEcDnSgaa-vqVOJ6KhSlDvF7pxoCNYMQAvD\_BwE&gclsrc =aw.ds&nclid=5Kc-7p8cjVkQHzCizp1neClSwE7uBKcgzINjnY6BQEum\_ dWRfIKN-mMp5Sj6BCJ6&configurationid=7bd64fc7-3bfb-49bd-827f-9f 44534a4368](https://www.dell.com/pt-br/shop/servidores-armazenamento-rede/servidor-torre-poweredge-t150/spd/poweredge-t150/pe_t150_15330_bcc_1?gacd=9657105-15015-5761040-275878141-0&dgc=ST&cid=71700000101046197&gclid=CjwKCAiAhKycBhAQEiwAgf19eiiGac8IcdyEZqeGRGfr_TnmMcvbtEcDnSgaa-vqVOJ6KhSlDvF7pxoCNYMQAvD_BwE&gclsrc=aw.ds&nclid=5Kc-7p8cjVkQHzCizp1neClSwE7uBKcgzINjnY6BQEum_dWRfIKN-mMp5Sj6BCJ6&configurationid=7bd64fc7-3bfb-49bd-827f-9f44534a4368)
2. [https://www.amazon.com.br/ROTEADOR-AX1500-ARCHER-AX10-TP-LI NK/dp/B07YP3T5H7/ref=asc\_df\_B07YP3T5H7/?tag=googleshopp00-20& linkCode=df0&hvadid=379793402630&hvpos=&hvnetw=g&hvrand=66](https://www.amazon.com.br/ROTEADOR-AX1500-ARCHER-AX10-TP-LINK/dp/B07YP3T5H7/ref=asc_df_B07YP3T5H7/?tag=googleshopp00-20&linkCode=df0&hvadid=379793402630&hvpos=&hvnetw=g&hvrand=669020104803668892&hvpone=&hvptwo=&hvqmt=&hvdev=c&hvdvcmdl=&hvlocint=&hvlocphy=9074128&hvtargid=pla-838376855180&psc=1)

[9020104803668892&hvpone=&hvptwo=&hvqmt=&hvdev=c&hvdvcmd l=&hvlocint=&hvlocphy=9074128&hvtargid=pla-838376855180&psc=1](https://www.amazon.com.br/ROTEADOR-AX1500-ARCHER-AX10-TP-LINK/dp/B07YP3T5H7/ref=asc_df_B07YP3T5H7/?tag=googleshopp00-20&linkCode=df0&hvadid=379793402630&hvpos=&hvnetw=g&hvrand=669020104803668892&hvpone=&hvptwo=&hvqmt=&hvdev=c&hvdvcmdl=&hvlocint=&hvlocphy=9074128&hvtargid=pla-838376855180&psc=1)

1. [https://www.amazon.com.br/Roteador-Dispositivos-Deco-M4-Roteado res/dp/B07KJ2TDMR/ref=asc\_df\_B07KJ2TDMR/?tag=googleshopp00-20 &linkCode=df0&hvadid=379793402630&hvpos=&hvnetw=g&hvrand= 11939281460217509761&hvpone=&hvptwo=&hvqmt=&hvdev=c&hvd vcmdl=&hvlocint=&hvlocphy=9074128&hvtargid=pla-575100043093& psc=1](https://www.amazon.com.br/Roteador-Dispositivos-Deco-M4-Roteadores/dp/B07KJ2TDMR/ref=asc_df_B07KJ2TDMR/?tag=googleshopp00-20&linkCode=df0&hvadid=379793402630&hvpos=&hvnetw=g&hvrand=11939281460217509761&hvpone=&hvptwo=&hvqmt=&hvdev=c&hvdvcmdl=&hvlocint=&hvlocphy=9074128&hvtargid=pla-575100043093&psc=1)
2. [https://www.kabum.com.br/produto/250123/impressora-multifuncion al-canon-mega-tank-maxify-gx7010-colorida-wifi-ethernet-tela-lcd-us b-branco-4471c005aa?gclid=CjwKCAiAhKycBhAQEiwAgf19ehO7nxXfX mSdrc6dLOQ\_IAZ5PcZPdiewYq91IA7S0\_-js5q7H3RSohoCLeQQAvD\_B wE](https://www.kabum.com.br/produto/250123/impressora-multifuncional-canon-mega-tank-maxify-gx7010-colorida-wifi-ethernet-tela-lcd-usb-branco-4471c005aa?gclid=CjwKCAiAhKycBhAQEiwAgf19ehO7nxXfXmSdrc6dLOQ_IAZ5PcZPdiewYq91IA7S0_-js5q7H3RSohoCLeQQAvD_BwE)
3. [https://www.kabum.com.br/produto/22261/switch-wired-tp-link-gigab it-24-portas-tl-sg1024d?gclid=CjwKCAiAhKycBhAQEiwAgf19eiDzAF0C](https://www.kabum.com.br/produto/22261/switch-wired-tp-link-gigabit-24-portas-tl-sg1024d?gclid=CjwKCAiAhKycBhAQEiwAgf19eiDzAF0C02z7UFmixK9irUNisRGj6EK1u-Iv-0fZKFcuu219Nguj0RoCIlkQAvD_BwE)

[02z7UFmixK9irUNisRGj6EK1u-Iv-0fZKFcuu219Nguj0RoCIlkQAvD\_Bw E](https://www.kabum.com.br/produto/22261/switch-wired-tp-link-gigabit-24-portas-tl-sg1024d?gclid=CjwKCAiAhKycBhAQEiwAgf19eiDzAF0C02z7UFmixK9irUNisRGj6EK1u-Iv-0fZKFcuu219Nguj0RoCIlkQAvD_BwE)

1. [https://www.casasbahia.com.br/moveis/escritorio/mesasparacomp utadorescrivaninhas/mesa-para-computador-office-officia-branco-mo veisaqui-1535262704.html?idsku=1535262704](https://www.casasbahia.com.br/moveis/escritorio/mesasparacomputadorescrivaninhas/mesa-para-computador-office-officia-branco-moveisaqui-1535262704.html?idsku=1535262704) (Mobília)
2. [https://www.magazineluiza.com.br/mesa-de-reuniao-diretoria-aba ulada-320x120m-workstart-marsala-preto-21017/p/hf5gh06hc2/mo/ot mo/?&seller\_id=pollomoveis&utm\_source=google&utm\_medium=pla &utm\_campaign=&partner\_id=70403&gclid=CjwKCAiAheacBhB8EiwA](https://www.magazineluiza.com.br/mesa-de-reuniao-diretoria-abaulada-320x120m-workstart-marsala-preto-21017/p/hf5gh06hc2/mo/otmo/?&seller_id=pollomoveis&utm_source=google&utm_medium=pla&utm_campaign=&partner_id=70403&gclid=CjwKCAiAheacBhB8EiwAItVO2wRCvT1wVFRCr7Z2t80TBrmbt65x6j91qV13HFhvmyQO7BSucowaUxoCAYEQAvD_BwE&gclsrc=aw.ds)

[ItVO2wRCvT1wVFRCr7Z2t80TBrmbt65x6j91qV13HFhvmyQO7BSucow aUxoCAYEQAvD\_BwE&gclsrc=aw.ds](https://www.magazineluiza.com.br/mesa-de-reuniao-diretoria-abaulada-320x120m-workstart-marsala-preto-21017/p/hf5gh06hc2/mo/otmo/?&seller_id=pollomoveis&utm_source=google&utm_medium=pla&utm_campaign=&partner_id=70403&gclid=CjwKCAiAheacBhB8EiwAItVO2wRCvT1wVFRCr7Z2t80TBrmbt65x6j91qV13HFhvmyQO7BSucowaUxoCAYEQAvD_BwE&gclsrc=aw.ds) (Mobilia)

1. [https://www.magazineluiza.com.br/cadeira-de-escritorio-diretor-gi ratoria-tela-mesh-best-c220/p/egbe17g444/mo/moec/?&seller\_id=bestc omercial&utm\_source=google&utm\_medium=pla&utm\_campaign=&p artner\_id=69995&gclid=CjwKCAiAheacBhB8EiwAItVO2zwdd7JAgxxB5](https://www.magazineluiza.com.br/cadeira-de-escritorio-diretor-giratoria-tela-mesh-best-c220/p/egbe17g444/mo/moec/?&seller_id=bestcomercial&utm_source=google&utm_medium=pla&utm_campaign=&partner_id=69995&gclid=CjwKCAiAheacBhB8EiwAItVO2zwdd7JAgxxB5EpcFHVlj1EmYT3CPKbZ2cjusV0oaWl7PjzLZLKwbBoCQY0QAvD_BwE&gclsrc=aw.ds)

[EpcFHVlj1EmYT3CPKbZ2cjusV0oaWl7PjzLZLKwbBoCQY0QAvD\_BwE](https://www.magazineluiza.com.br/cadeira-de-escritorio-diretor-giratoria-tela-mesh-best-c220/p/egbe17g444/mo/moec/?&seller_id=bestcomercial&utm_source=google&utm_medium=pla&utm_campaign=&partner_id=69995&gclid=CjwKCAiAheacBhB8EiwAItVO2zwdd7JAgxxB5EpcFHVlj1EmYT3CPKbZ2cjusV0oaWl7PjzLZLKwbBoCQY0QAvD_BwE&gclsrc=aw.ds)

(Cadeira escritório)

1. <https://www.americanas.com.br/produto/2556338306?epar=bp_pl_>

[00\_go\_b2wads\_pmax\_geral&opn=YSMESP&WT.srch=1&aid=61968581 3050a700170cfcf3&sid=12453146000171&pid=2556338306&chave=vnz pla\_619685813050a700170cfcf3\_12453146000171\_2556338306&offerId =5fb408db762ff36719cecc31&gclsrc=aw.ds&gclid=CjwKCAiAheacBhB8 EiwAItVO28N0pr7P5fHW16sEQ95GOEQDGlfy1ZqIYbXPQJuHijGqJbev rua5nxoCfX8QAvD\_BwE&cor=Preto&condition=NEW](https://www.americanas.com.br/produto/2556338306?epar=bp_pl_00_go_b2wads_pmax_geral&opn=YSMESP&WT.srch=1&aid=619685813050a700170cfcf3&sid=12453146000171&pid=2556338306&chave=vnzpla_619685813050a700170cfcf3_12453146000171_2556338306&offerId=5fb408db762ff36719cecc31&gclsrc=aw.ds&gclid=CjwKCAiAheacBhB8EiwAItVO28N0pr7P5fHW16sEQ95GOEQDGlfy1ZqIYbXPQJuHijGqJbevrua5nxoCfX8QAvD_BwE&cor=Preto&condition=NEW) (Cadeira de Reunião)

1. [https://www.magazineluiza.com.br/futon-hobbs-azul-just-home-col lection/p/dhce0bej21/cm/alcm/?&seller\_id=sodimachomecenter&utm\_ source=google&utm\_medium=pla&utm\_campaign=&partner\_id=6999 6&gclid=CjwKCAiAheacBhB8EiwAItVO223E0hPeuvyp4Bs2sivJ0ksG02](https://www.magazineluiza.com.br/futon-hobbs-azul-just-home-collection/p/dhce0bej21/cm/alcm/?&seller_id=sodimachomecenter&utm_source=google&utm_medium=pla&utm_campaign=&partner_id=69996&gclid=CjwKCAiAheacBhB8EiwAItVO223E0hPeuvyp4Bs2sivJ0ksG02Tw55ec030VJN-yniKnZ6km9qXBghoC3bYQAvD_BwE&gclsrc=aw.ds)

[Tw55ec030VJN-yniKnZ6km9qXBghoC3bYQAvD\_BwE&gclsrc=aw.ds](https://www.magazineluiza.com.br/futon-hobbs-azul-just-home-collection/p/dhce0bej21/cm/alcm/?&seller_id=sodimachomecenter&utm_source=google&utm_medium=pla&utm_campaign=&partner_id=69996&gclid=CjwKCAiAheacBhB8EiwAItVO223E0hPeuvyp4Bs2sivJ0ksG02Tw55ec030VJN-yniKnZ6km9qXBghoC3bYQAvD_BwE&gclsrc=aw.ds)(Sofa)

1. [https://www.google.com/search?q=filtro+de+agua&oq=filtro&aqs=c hrome.2.69i57j0i10i131i433i512j0i10i433i512j0i10i131i433i512j0i10i4 33i512l2j0i10i512j0i10i433i512l2j0i10i131i433i512.2689j0j9&sourceid =chrome&ie=UTF-8](https://www.google.com/search?q=filtro+de+agua&oq=filtro&aqs=chrome.2.69i57j0i10i131i433i512j0i10i433i512j0i10i131i433i512j0i10i433i512l2j0i10i512j0i10i433i512l2j0i10i131i433i512.2689j0j9&sourceid=chrome&ie=UTF-8) (Filtro)
2. [https://www.google.com/search?q=armario+organizador+escrit%C](https://www.google.com/search?q=armario+organizador+escrit%C3%B3rio&ei=qw6aY_zCEJrN1sQPrpW38Ac&oq=armario+organizador&gs_lcp=Cgxnd3Mtd2l6LXNlcnAQARgCMgoIABBHENYEELADMgoIABBHENYEELADMgoIABBHENYEELADMgoIABBHENYEELADMgoIABBHENYEELADMgoIABBHENYEELADMgoIABBHENYEELADMgoIABBHENYEELADMgcIABCwAxBDMgcIABCwAxBDSgQIQRgASgQIRhgAUABYAGD0HmgBcAF4AIABAIgBAJIBAJgBAMgBCsABAQ&sclient=gws-wiz-serp)

[3%B3rio&ei=qw6aY\_zCEJrN1sQPrpW38Ac&oq=armario+organizador &gs\_lcp=Cgxnd3Mtd2l6LXNlcnAQARgCMgoIABBHENYEELADMgoIAB](https://www.google.com/search?q=armario+organizador+escrit%C3%B3rio&ei=qw6aY_zCEJrN1sQPrpW38Ac&oq=armario+organizador&gs_lcp=Cgxnd3Mtd2l6LXNlcnAQARgCMgoIABBHENYEELADMgoIABBHENYEELADMgoIABBHENYEELADMgoIABBHENYEELADMgoIABBHENYEELADMgoIABBHENYEELADMgoIABBHENYEELADMgoIABBHENYEELADMgcIABCwAxBDMgcIABCwAxBDSgQIQRgASgQIRhgAUABYAGD0HmgBcAF4AIABAIgBAJIBAJgBAMgBCsABAQ&sclient=gws-wiz-serp)

[BHENYEELADMgoIABBHENYEELADMgoIABBHENYEELADMgoIABBH](https://www.google.com/search?q=armario+organizador+escrit%C3%B3rio&ei=qw6aY_zCEJrN1sQPrpW38Ac&oq=armario+organizador&gs_lcp=Cgxnd3Mtd2l6LXNlcnAQARgCMgoIABBHENYEELADMgoIABBHENYEELADMgoIABBHENYEELADMgoIABBHENYEELADMgoIABBHENYEELADMgoIABBHENYEELADMgoIABBHENYEELADMgoIABBHENYEELADMgcIABCwAxBDMgcIABCwAxBDSgQIQRgASgQIRhgAUABYAGD0HmgBcAF4AIABAIgBAJIBAJgBAMgBCsABAQ&sclient=gws-wiz-serp)

[ENYEELADMgoIABBHENYEELADMgoIABBHENYEELADMgoIABBHEN](https://www.google.com/search?q=armario+organizador+escrit%C3%B3rio&ei=qw6aY_zCEJrN1sQPrpW38Ac&oq=armario+organizador&gs_lcp=Cgxnd3Mtd2l6LXNlcnAQARgCMgoIABBHENYEELADMgoIABBHENYEELADMgoIABBHENYEELADMgoIABBHENYEELADMgoIABBHENYEELADMgoIABBHENYEELADMgoIABBHENYEELADMgoIABBHENYEELADMgcIABCwAxBDMgcIABCwAxBDSgQIQRgASgQIRhgAUABYAGD0HmgBcAF4AIABAIgBAJIBAJgBAMgBCsABAQ&sclient=gws-wiz-serp)

[YEELADMgcIABCwAxBDMgcIABCwAxBDSgQIQRgASgQIRhgAUABYAG](https://www.google.com/search?q=armario+organizador+escrit%C3%B3rio&ei=qw6aY_zCEJrN1sQPrpW38Ac&oq=armario+organizador&gs_lcp=Cgxnd3Mtd2l6LXNlcnAQARgCMgoIABBHENYEELADMgoIABBHENYEELADMgoIABBHENYEELADMgoIABBHENYEELADMgoIABBHENYEELADMgoIABBHENYEELADMgoIABBHENYEELADMgoIABBHENYEELADMgcIABCwAxBDMgcIABCwAxBDSgQIQRgASgQIRhgAUABYAGD0HmgBcAF4AIABAIgBAJIBAJgBAMgBCsABAQ&sclient=gws-wiz-serp)

[D0HmgBcAF4AIABAIgBAJIBAJgBAMgBCsABAQ&sclient=gws-wiz-serp](https://www.google.com/search?q=armario+organizador+escrit%C3%B3rio&ei=qw6aY_zCEJrN1sQPrpW38Ac&oq=armario+organizador&gs_lcp=Cgxnd3Mtd2l6LXNlcnAQARgCMgoIABBHENYEELADMgoIABBHENYEELADMgoIABBHENYEELADMgoIABBHENYEELADMgoIABBHENYEELADMgoIABBHENYEELADMgoIABBHENYEELADMgoIABBHENYEELADMgcIABCwAxBDMgcIABCwAxBDSgQIQRgASgQIRhgAUABYAGD0HmgBcAF4AIABAIgBAJIBAJgBAMgBCsABAQ&sclient=gws-wiz-serp) (Balcão)

1. [https://www.melhorcomprar.com.br/notebook-dell-core-i5-10210u8gb-256gb-ssd-placa-de-video-2gb-tela-full-hd-14-windows-10-inspiro n-i14-5490-a20s/p?gclid=CjwKCAiAheacBhB8EiwAItVO20jRhVtOV0R43 lWnG4KvjpJ6TcCMgtEKyQ9i9QBQsv\_pibiEra4KHxoCdmQQAvD\_BwE](https://www.melhorcomprar.com.br/notebook-dell-core-i5-10210u-8gb-256gb-ssd-placa-de-video-2gb-tela-full-hd-14-windows-10-inspiron-i14-5490-a20s/p?gclid=CjwKCAiAheacBhB8EiwAItVO20jRhVtOV0R43lWnG4KvjpJ6TcCMgtEKyQ9i9QBQsv_pibiEra4KHxoCdmQQAvD_BwE) (Notebook)
2. [https://www.magazineluiza.com.br/computador-desktop-dell-vostr o-i1200-m10d-12a-geracao-intel-core-i3-8gb-256gb-ssd-windows-11-co m-monitor/p/ca0146ad0a/in/dkcp/?&seller\_id=dell&utm\_source=googl e&utm\_medium=pla&utm\_campaign=&partner\_id=69994&gclid=Cjw KCAiAheacBhB8EiwAItVO2ygIdDGbogIvRPMLElHsyvp\_QQdpXrB1xBT m\_nCND13xETbdoHeZchoCKS0QAvD\_BwE&gclsrc=aw.ds](https://www.magazineluiza.com.br/computador-desktop-dell-vostro-i1200-m10d-12a-geracao-intel-core-i3-8gb-256gb-ssd-windows-11-com-monitor/p/ca0146ad0a/in/dkcp/?&seller_id=dell&utm_source=google&utm_medium=pla&utm_campaign=&partner_id=69994&gclid=CjwKCAiAheacBhB8EiwAItVO2ygIdDGbogIvRPMLElHsyvp_QQdpXrB1xBTm_nCND13xETbdoHeZchoCKS0QAvD_BwE&gclsrc=aw.ds) (Desktop)
3. [https://www.dell.com/pt-br/shop/endpoints-e-software-wyse/novo-t hin-client-dell-wyse-5070/spd/wyse-5070-thin-client](https://www.dell.com/pt-br/shop/endpoints-e-software-wyse/novo-thin-client-dell-wyse-5070/spd/wyse-5070-thin-client) (Thin client)
4. [https://www.magazineluiza.com.br/thinclient-dell-wyse-5010-ssd4 80gb-8gb-ram-1-40ghz-dual-core/p/chgcggbehe/in/note/](https://www.magazineluiza.com.br/thinclient-dell-wyse-5010-ssd480gb-8gb-ram-1-40ghz-dual-core/p/chgcggbehe/in/note/) (Thin client)
5. [https://www.amazon.com.br/cart/smart-wagon?newItems=6d64b0](https://www.amazon.com.br/cart/smart-wagon?newItems=6d64b052-ce1b-4488-a6af-10c628ebe0cc,7)
6. [52-ce1b-4488-a6af-10c628ebe0cc,7](https://www.amazon.com.br/cart/smart-wagon?newItems=6d64b052-ce1b-4488-a6af-10c628ebe0cc,7) (Cabeamento)

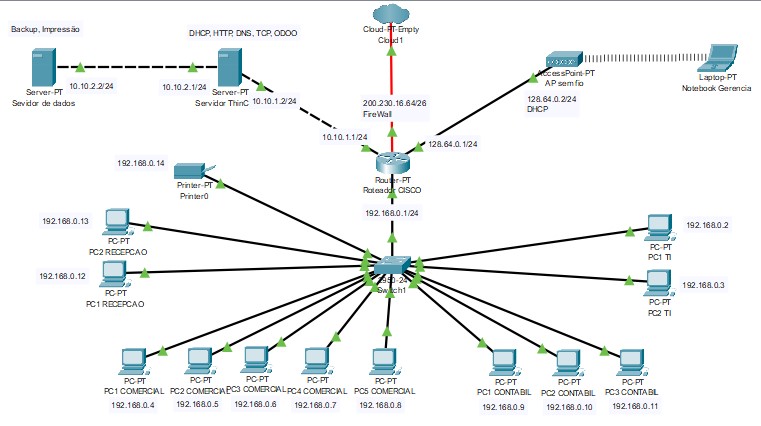
# 4 Tamanho de cada Departamento

* TI: 18,5m x 2,5m (Sala do servidor 2,5m²);
* Recepção: 3,5m²;
* Gerência: 9,5m x 8,8m;
* Comercial: 11,5m x 4,5m;
* Contábil: 11,5m x 5m;
* Corredor: 9,5m x 1,7m;

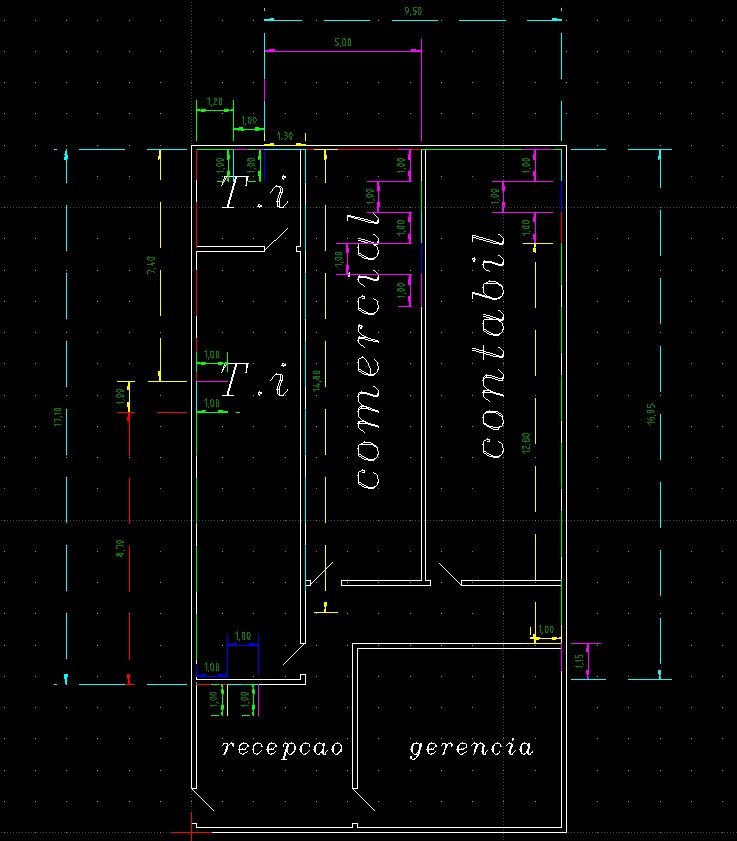
# 5. Croqui da Planta (Visão de vertical)

# 6 Croqui da Planta 3D

# 7 Infraestrutura de rede



# 8 Planta usada para cálculos de cabeamentos



# 9. Equipamentos e suas especificações:

9.1. Servidor Torre: PowerEdge T350 (Preço R$ 10.211,00)

* Intel® Xeon® E-2324G (3.1 GHz, 8M Cache, 4 núcleos/4 threads, Turbo 65W, 3200 MT/s);
* Chassi de 3.5" para até 4 Hot Plug discos rígidos e Embedded SATA, hot-plug PSU;
* 8GB DDR4 3200MHz (1X8GB, ECC, UDIMM, BCC);
* SATA SSD de 480GB SATA RI 6Gbps 512 2.5" Hot Plug AG Drive, 3.5" HYB CARR, 1 DWPD;

9.2. Servidor Torre PowerEdge T150 (DADOS) (R$ 9.266,00)

* Intel® Pentium G6405T (3.5 GHz, 4M Cache, 2 núcleos/4 threads, sem turbo 35W, 2666 MT/s);
* 8GB DDR4 3200MHz (1X8GB, ECC, UDIMM, BCC);
* SATA HDD HDD で 2TB SATA 6Gbps 7.2K 512n 3.5" Cabled;

9.3. Roteador CISCO C1111-4PWZ (R$13.029,15)

* Especificações: Micro USB Port One RJ-45: Separate console port USB port USB 3.0 Type A host port USB devices supported: USB flash memory One USB 5-pin micro Type B: Console management connectivity 10/100/1000 Gigabit Ethernet Two GE ports allocated

among RJ45 and SFP as: One combo port with 10/100/1000RJ-45 Ethernet port or SFP ;

9.4. Kit Roteador TP-Link Wi-Fi Mesh Gigabit 5GHz Deco M4 (R$ 639,00)

* Um pacote com duas unidades Deco M4 oferece Wi-Fi para uma área de até 350 metros quadrados. E se isso não for suficiente, basta adicionar mais unidades Deco à rede a qualquer momento para aumentar a cobertura;
* O Controle dos ADMs permite limitar o tempo online e bloquear sites inapropriados de acordo com perfis exclusivos criados para cada membro da empresa;

.

9.5. Impressora Canon Multifuncional (R$ 3.513,99)

* Imprima, digitalize, copie e conecte-se à nuvem por meio do aplicativo Canon PRINT 8. Compatível com Apple AirPrint (iOS) e Mopria (Android), conecte via cabo ethernet ou sem cabo via dual-band Wi-Fi;
* Baixo custo de impressão com enorme rendimento, imprime até 21.000 páginas com as garrafas de tinta colorida ou 9.000 páginas com a garrafa de tinta preta no modo Econômico. Conte sempre com impressões de qualidade, mesmo no modo Econômico;

9.6. Switch Wired TP-Link Gigabit 24 Portas (R$ 769,99)

* Interface: 24 Portas RJ45 Auto-sensíveis 10/100/1000 Mbps com Auto

Negociação (Auto MDI / MDIX);

* Capacidade de comutação: 48Gbps;
* Dimensões aprox. do produto: 294 x 180 x 44mm;
* Tabela de MAC Address: 8K;
* Funções avançadas: Controle de Fluxo 802.3x, Back Pressure / Auto Uplink Em Cada Porta;
* Requisitos do sistema: - Microsoft Windows 98SE, - NT / 2000 / XP, Vista™ ou Windows 7, - MAC OS / NetWare / UNIX ou Linux;

9.7. Cabeamento 7 Uni. (R$ 294,70)

* Cabo De Rede RJ45 Montado 30 metros Alta Qualidade Cat5;

9.8. Desktop (R$ 7.892,00)

* Computador Desktop Dell;
* Vostro I1200-M10D 12ª Geração ;
* Intel Core i3 ;
* 8GB 256GB SSD ;

9.9. Notebook (R$ 5.129,10)

* Notebook Dell ;
* Core i5-10210U ;
* 8GB 256GB SSD ;
* Placa de Vídeo;
* 2GB Tela Full HD 14” Windows ;
* 10 Inspiron I14-5490-A20S;

9.10. THIN CLIENT DELL WYSE 5010 (10 uni) (R$1.679,00)

* Processador: AMD G-T48e 1.40Ghz;
* Sistema operacional: Windows 10 Pro x64 (Instalado pronto para uso) Não Oficial;
* Memoria: 8GB (1x8GB), DDR3;
* Armazenamento: SSD 480GB;
* Memória Ram 8GB;

# 10. Orçamento Total:

Levando em consideração todos os equipamentos usados no escritório, mão de obra especializada para as instalações, cabeamento usado para as conexões das estações de trabalho, e a possibilidade de escalonamentos futuros, o orçamento total definiu-se em torno de R$60.000,00.