

	A	B	C
1		bureauA202	BureauA204
2	nom des salles	bureauA201	BureauA203
3	nombre de prise	3x2	3x2
4	nombres des cables	chaque prise est distancé de 3 mètres(3 prise) : (39x2)+(36x2)+(33x2)	chaque prise est distancé de 3 mètres(3 prise) : (31x2)+(28x2)+(25x2)
5	total longueur	216	168
6			
7			
8	équipements	modèle	quantité
9	cable ethernet RJ45 PC	CAT7	144
10	cable ethernet RJ45 PC brassage	CAT7	144
11	Baie de brassage etage	10 pouce- 6U	4
12	baie local technique	profondeur:80cm largeur:69cm	1
13	switch local technique		1
14	panneau de brassage local		1

	A	B	C
15	cable ethernet RJ45	rouleau/CAT7/RedStar24 /500m	5000
16	switch etage	L3 PoE++ à 48 Ports	4
17	panneau de brassage etage	48 connecteurs RJ45	4
18	ecran	acer	104

	A	B	C
19	tour	HYPER BYTE	104
20	clavier,souris	Ovegna K20 : Ensemble Clavier et Souris	104
21	cable fibre optique	Jarretière Optique LC UPC vers LC UPC	4

	A	B	C
22	prise Rj45	legrand/categorie 6A STP	144
23	point d'accès sans fil	Cisco AIR-CAP3602I-E-K9	4
24	controleur wifi	Cisco AIR-CT5520-K9	1
25	stokage	HP : DATA cartouche LTO7 ULTRIUM 15 TB RW NON-CUSTOM LABELED 20PK	1
26	cartouche de stokage	HP : DATA cartouche LTO5 ULTRIUM 3TB RW	3
27	serveur	Serveur Rack 2U 4 baies - Intel Core i5-14500 - DDR5 16 Go (2x 8 Go) - SSD M.2 960 Go (2x 480 Go) - Alimentation 600W 80PLUS Gold - rails de fixation	1
28	stokage san	Lenovo ThinkSystem DE240S 2U24 SFF Expansion Enclosure - boîtier de	1
29	Téléphone	Yealink T33P	40
30	licence proxmox		1
31			
32			
33			

	D	E	F
1	BureauA206	BureauA208	BureauA210
2	BureauA205	BureauA207	BureauA209
3	3x2	4x2	4x2
4	chaque prise est distancé de 3 mètres(3 prise) : (23x2)+(20x2)+(17x2)	chaque prise est distancé de 2 mètres(4 prise) : (24x2)+(26x2)+(28x2)+(30x2)	chaque prise est distancé de 2 mètres(4 prise) : (34*2)+(36*2)+(38*2)+(40*2)
5	120	216	296
6			
7			
8	prix unitaire	total	justification
9	4,32	622,08	
10	4,32	622,08	
11	66,88	267,52	
12	924	924	
13	3896	3896	
14	117,5	117,5	

	D	E	F
15	3699	3699	on achete 10 rouleau de 500m pour chaque etage et on le fais 4 fois ce qui justifie les 5km de cable et les 3699€
16	3896	15584	
17	117,5	470	
18	89,6	9318,4	

	D	E	F
19	359,99	37438,96	
20	14,99	1558,96	
21	28,8	115,2	

	D	E	F
22	4707,36	4707,36	on achete 144 prise RJ45 pour chaque etage et on le fais 4 fois
23	40	160	
24	949	949	
25	1301	1301	
26	30	90	
27	999	999	
28	2698	2698	
29	77,88	3115,2	il faut 10 telephone pour un etage donc pour les 4 etages on en a besoin de 40
30	0	0	
31			
32		total prix €	
33		88653,26	

	G	H	I
1			
2	salle de réunion	salle de service	total
3	2	3	37
4	chaque prise est situé a 1 metre du millieu sur un coté sur le mur du fond :50x2	15+16+17	
5	100	31	1147
6			
7			
8	URL		
9	<a href="https://www.fs.com/fr/products/18571.html?attribute=14982&amp;id=3727020">https://www.fs.com/fr/products/18571.html?attribute=14982&amp;id=3727020</a>		
10	<a href="https://www.fs.com/fr/products/18571.html?attribute=14982&amp;id=3727020">https://www.fs.com/fr/products/18571.html?attribute=14982&amp;id=3727020</a>		
11	<a href="https://www.amazon.fr/DIGITUS-Bo%C3%A9tier-Mural-254-10/dp/B086NHM33N/ref=asc_df_B086NHM33N?mcid=16e6e76fb6f13325b4179458342bd927&amp;tag=googshopfr-21&amp;linkCode=df0&amp;hvadid=701686909337&amp;hvpos=&amp;hvnetw=g&amp;hvrnd=10776417417894446789&amp;hvppone=&amp;hvptwo=&amp;hvqmt=&amp;hvdev=c&amp;hvdvcm dl=&amp;hvlocint=&amp;hvlocphy=9214194&amp;hvtargid=pla-935616891596&amp;gad_source=1&amp;th=1">https://www.amazon.fr/DIGITUS-Bo%C3%A9tier-Mural-254-10/dp/B086NHM33N/ref=asc_df_B086NHM33N?mcid=16e6e76fb6f13325b4179458342bd927&amp;tag=googshopfr-21&amp;linkCode=df0&amp;hvadid=701686909337&amp;hvpos=&amp;hvnetw=g&amp;hvrnd=10776417417894446789&amp;hvppone=&amp;hvptwo=&amp;hvqmt=&amp;hvdev=c&amp;hvdvcm dl=&amp;hvlocint=&amp;hvlocphy=9214194&amp;hvtargid=pla-935616891596&amp;gad_source=1&amp;th=1</a>		
12	<a href="https://www.baiebrassage.fr/baie42u-serveur-avec-verre-porte-600x800x2000mm.html?utm_source=google-surfaces&amp;utm_medium=organic&amp;gad_source=1&amp;gclid=Cj0KCQiAqL28BhCrARIsACYJvkfMfitdxD6A4qYcMYzCu88G6FC6yZF5xQse61EiSraO1dVNmHxou8kaAqaiEALw_wcB">https://www.baiebrassage.fr/baie42u-serveur-avec-verre-porte-600x800x2000mm.html?utm_source=google-surfaces&amp;utm_medium=organic&amp;gad_source=1&amp;gclid=Cj0KCQiAqL28BhCrARIsACYJvkfMfitdxD6A4qYcMYzCu88G6FC6yZF5xQse61EiSraO1dVNmHxou8kaAqaiEALw_wcB</a>		
13	<a href="https://www.fs.com/fr/products/206653.html?now_cid=4223">https://www.fs.com/fr/products/206653.html?now_cid=4223</a>		
14	<a href="https://www.legrand.fr/pro/catalogue/panneau-de-brassage-droit-19pouces-1u-lcs3-">https://www.legrand.fr/pro/catalogue/panneau-de-brassage-droit-19pouces-1u-lcs3-</a>		

	G	H	I
15	<a href="https://www.amazon.fr/RedStar24-C%C3%A2ble-pose-CAT-dinstallation/dp/B0BMGDNVDK/ref=asc_df_B0BMGDNVDK?mcid=a8d016d11e8e3ef08615e480899de0cf&amp;tag=googshopfr-21&amp;linkCode=df0&amp;hvadid=701578233558&amp;hvpos=&amp;hvnetw=g&amp;hvrnd=1010584099251243123&amp;hvpone=&amp;hvptwo=&amp;hvqmt=&amp;hvdev=c&amp;hvdvcmdl=&amp;hvlocint=&amp;hvlocphy=9197538&amp;hvtargid=pla-2010184904637&amp;gad_source=1&amp;th=1">https://www.amazon.fr/RedStar24-C%C3%A2ble-pose-CAT-dinstallation/dp/B0BMGDNVDK/ref=asc_df_B0BMGDNVDK?mcid=a8d016d11e8e3ef08615e480899de0cf&amp;tag=googshopfr-21&amp;linkCode=df0&amp;hvadid=701578233558&amp;hvpos=&amp;hvnetw=g&amp;hvrnd=1010584099251243123&amp;hvpone=&amp;hvptwo=&amp;hvqmt=&amp;hvdev=c&amp;hvdvcmdl=&amp;hvlocint=&amp;hvlocphy=9197538&amp;hvtargid=pla-2010184904637&amp;gad_source=1&amp;th=1</a>		
16	<a href="https://www.fs.com/fr/products/206653.html?now_cid=4223">https://www.fs.com/fr/products/206653.html?now_cid=4223</a>		
17	<a href="https://www.legrand.fr/pro/catalogue/panneau-de-brassage-droit-19pouces-1u-lcs3-a-equipier-48-connecteurs-rj45-haute-densite">https://www.legrand.fr/pro/catalogue/panneau-de-brassage-droit-19pouces-1u-lcs3-a-equipier-48-connecteurs-rj45-haute-densite</a>		
18	<a href="https://www.amazon.fr/Acer-EK241YHBIF-1920x1080-BlueLightShield-Flicker-Less/dp/B0C28QX7DS/ref=asc_df_B0C28QX7DS?mcid=e1e30f0973d13e95a42b96bbf2cc1935&amp;tag=googshopfr-21&amp;linkCode=df0&amp;hvadid=701511851432&amp;hvpos=&amp;hvnetw=g&amp;hvrnd=3185948497782166077&amp;hvpone=&amp;hvptwo=&amp;hvqmt=&amp;hvdev=c&amp;hvdvcmdl=&amp;hvlocint=&amp;hvlocphy=9214194&amp;hvtargid=pla-2194278678856&amp;gad_source=1&amp;th=1">https://www.amazon.fr/Acer-EK241YHBIF-1920x1080-BlueLightShield-Flicker-Less/dp/B0C28QX7DS/ref=asc_df_B0C28QX7DS?mcid=e1e30f0973d13e95a42b96bbf2cc1935&amp;tag=googshopfr-21&amp;linkCode=df0&amp;hvadid=701511851432&amp;hvpos=&amp;hvnetw=g&amp;hvrnd=3185948497782166077&amp;hvpone=&amp;hvptwo=&amp;hvqmt=&amp;hvdev=c&amp;hvdvcmdl=&amp;hvlocint=&amp;hvlocphy=9214194&amp;hvtargid=pla-2194278678856&amp;gad_source=1&amp;th=1</a>		

	G	H	I
19	<a href="https://www.amazon.fr/HYPER-BYTE%C2%AE-Office-Pc-Ordinateur/dp/B0DB1TY3F8/ref=sr_1_8_sspa?c=ts&amp;dib=eyJ2ljojMSJ9.J8FyJz07PwyDlaUNcHLTYBzSXk-j1Fwqw8pl-4J9Hapzu7Ej5TUBrDSwZNT_btg8o87zmj0l2qXYHxzLkRHreOix5SSBeqvytIJqbKz0iZKipumSZUNedW02vj_lsjYD6G_tSZJ8R8wLhX61ijic8CGfPICQWLHYqYr9rJq-YgFFrdThBuRH3HqzdcRplu9srX1U0kLopuzYINQiPzziovSGHFliVRyjkRAXzfLkYB6fK_ldr6pnq6k9w54qMus-25DN0JVXv-Xc6-GkPHbfc56vgTX_0IWUGeqLI1UWA.aesMh3Bb7Fbm5ErdPSes26LTH3ihejufzroyKrZ8_IU&amp;dib_tag=s&amp;keywords=Tours%2BPC&amp;qid=1736937086&amp;s=computers&amp;sr=1-8-spons&amp;ts_id=13829939031&amp;sp_csd=d2lkZ2V0TmFtZT1zcF9tdGY&amp;th=1">https://www.amazon.fr/HYPER-BYTE%C2%AE-Office-Pc-Ordinateur/dp/B0DB1TY3F8/ref=sr_1_8_sspa?c=ts&amp;dib=eyJ2ljojMSJ9.J8FyJz07PwyDlaUNcHLTYBzSXk-j1Fwqw8pl-4J9Hapzu7Ej5TUBrDSwZNT_btg8o87zmj0l2qXYHxzLkRHreOix5SSBeqvytIJqbKz0iZKipumSZUNedW02vj_lsjYD6G_tSZJ8R8wLhX61ijic8CGfPICQWLHYqYr9rJq-YgFFrdThBuRH3HqzdcRplu9srX1U0kLopuzYINQiPzziovSGHFliVRyjkRAXzfLkYB6fK_ldr6pnq6k9w54qMus-25DN0JVXv-Xc6-GkPHbfc56vgTX_0IWUGeqLI1UWA.aesMh3Bb7Fbm5ErdPSes26LTH3ihejufzroyKrZ8_IU&amp;dib_tag=s&amp;keywords=Tours%2BPC&amp;qid=1736937086&amp;s=computers&amp;sr=1-8-spons&amp;ts_id=13829939031&amp;sp_csd=d2lkZ2V0TmFtZT1zcF9tdGY&amp;th=1</a>		
20	<a href="https://www.amazon.fr/Ovegna-K20-Ensemble-Wireless-Raspberry/dp/B097NCJXKR/ref=asc_df_B097NCJXKR?mcid=bcfce0eb89935bb9b0a0ebba79292df&amp;tag=googshopfr-21&amp;linkCode=df0&amp;hvadid=701511851276&amp;hvpos=&amp;hvnetw=g&amp;hvrnd=8464903067533045064&amp;hvpone=&amp;hvptwo=&amp;hvqmt=&amp;hvdev=c&amp;hvdvcmdl=&amp;hvlocint=&amp;hvlocphy=9214194&amp;hvtargid=pla-2369843438781&amp;psc=1&amp;gad_source=1">https://www.amazon.fr/Ovegna-K20-Ensemble-Wireless-Raspberry/dp/B097NCJXKR/ref=asc_df_B097NCJXKR?mcid=bcfce0eb89935bb9b0a0ebba79292df&amp;tag=googshopfr-21&amp;linkCode=df0&amp;hvadid=701511851276&amp;hvpos=&amp;hvnetw=g&amp;hvrnd=8464903067533045064&amp;hvpone=&amp;hvptwo=&amp;hvqmt=&amp;hvdev=c&amp;hvdvcmdl=&amp;hvlocint=&amp;hvlocphy=9214194&amp;hvtargid=pla-2369843438781&amp;psc=1&amp;gad_source=1</a>		
21	<a href="https://www.fs.com/fr/products/40256.html?country=FR&amp;currency=EUR&amp;languages=Fran%C3%A7ais&amp;paid=google_shopping&amp;gad_source=1&amp;gclid=Cj0KCQiA1p28BhCBARIsADP9HrMK1BctDP8Fwgl4asaWsnu4-PhmP_0BgeeFLObRqt-vB8yOmDhKm9caAglwEALw_wcB">https://www.fs.com/fr/products/40256.html?country=FR&amp;currency=EUR&amp;languages=Fran%C3%A7ais&amp;paid=google_shopping&amp;gad_source=1&amp;gclid=Cj0KCQiA1p28BhCBARIsADP9HrMK1BctDP8Fwgl4asaWsnu4-PhmP_0BgeeFLObRqt-vB8yOmDhKm9caAglwEALw_wcB</a>		

	G	H	I
22	<a href="https://www.legrand.fr/pro/catalogue/prise-rj45-categorie-6a-stp-a-blindage-metal-mosaic-2-modules-noir-mat">https://www.legrand.fr/pro/catalogue/prise-rj45-categorie-6a-stp-a-blindage-metal-mosaic-2-modules-noir-mat</a>		
23	<a href="https://it-planet.com/fr/p/cisco-air-cap3602i-e-k9-405434.html">https://it-planet.com/fr/p/cisco-air-cap3602i-e-k9-405434.html</a>		
24	<a href="https://it-planet.com/fr/p/cisco-air-ct5520-k9-400.html?c=1347">https://it-planet.com/fr/p/cisco-air-ct5520-k9-400.html?c=1347</a>		
25	<a href="https://www.busiboutique.com/produit/hp-data-cartouche-lto7-ultrium-15-tb-rw-non-custom-labeled-20pk-97643.html">https://www.busiboutique.com/produit/hp-data-cartouche-lto7-ultrium-15-tb-rw-non-custom-labeled-20pk-97643.html</a>		
26	<a href="https://www.busiboutique.com/produit/hp-data-cartouche-lto5-ultrium-3tb-rw-15400.html">https://www.busiboutique.com/produit/hp-data-cartouche-lto5-ultrium-3tb-rw-15400.html</a>		
27	<a href="https://www.ldlc.com/fiche/PB00630716.html">https://www.ldlc.com/fiche/PB00630716.html</a>		
28	<a href="https://www.inmac-wstore.com/lenovo-think-system-de240s-2u24-sff-expansion-enclosure-boitier-de-stockage/p7254294.htm">https://www.inmac-wstore.com/lenovo-think-system-de240s-2u24-sff-expansion-enclosure-boitier-de-stockage/p7254294.htm</a>		
29	<a href="https://www.officeeasy.fr/yealink-t33p.html?msclkid=0a156e06bad81575bc0c099f6c1fb7c8&amp;utm_source=bing&amp;utm_medium=cpc&amp;utm_campaign=X%20-%20Telephone%20fixe%20-%20CPC&amp;utm_term=4575342784025678&amp;utm_content=Telephone%20IP">https://www.officeeasy.fr/yealink-t33p.html?msclkid=0a156e06bad81575bc0c099f6c1fb7c8&amp;utm_source=bing&amp;utm_medium=cpc&amp;utm_campaign=X%20-%20Telephone%20fixe%20-%20CPC&amp;utm_term=4575342784025678&amp;utm_content=Telephone%20IP</a>		
30	<a href="https://www.proxmox.com/en/">https://www.proxmox.com/en/</a>		
31			
32			
33			

	J	K	L
1			
2	total de tout les étages		
3	148		
4			
5	4588		
6			
7			
8			
9			
10			
11			
12			
13			
14	<a href="#">i-equiper-48-connecteurs-rj45-haute-densite</a>		