# Omada
by tp-link

Floor Plan for Lab-Redes

02/02/2026

1. Equipment List

· Equipment

The cable length is a theoretical straight-line distance for reference only.

	Type	Description	Quantity	Backup	Total	Unit Price	Discount	Total Price
	ER605W	Omada AC1200 Gigabit Wi-Fi Gateway	2	0	2	BR 7838.62	0.00%	BR 15677.24
	SG6654XHP	Omada Campus 48-Port Gigabit Stackable L3 Managed PoE+ Switch with 6× 10G Slots	8	0	8	BR 1330.00	0.00%	BR 10640.00
	EAP265 HD	AC1750 Wireless MU-MIMO Gigabit Ceiling Mount Access Point	6	0	6	BR 155.00	0.00%	BR 930.00
	CAT.6A	Supports 10 Gbps rate within 100 m / 328 ft	124 m (407 ft)	0	124 m (407 ft)	BR 24.00	0.00%	BR 2976.00

· **Additional Fees**

Fee Name	Description	Quantity	Unit Price	Discount	Total Price
On-Site Maintenance (Annual)	The annual fees cover unlimited on-site maintenance visits for the year.	1	700.00	0.0%	BR 700.00
Installation and Commissioning	The fees are one-time fees for successful on-site installation and commissioning.	8	1289.00	0.0%	BR 10312.00

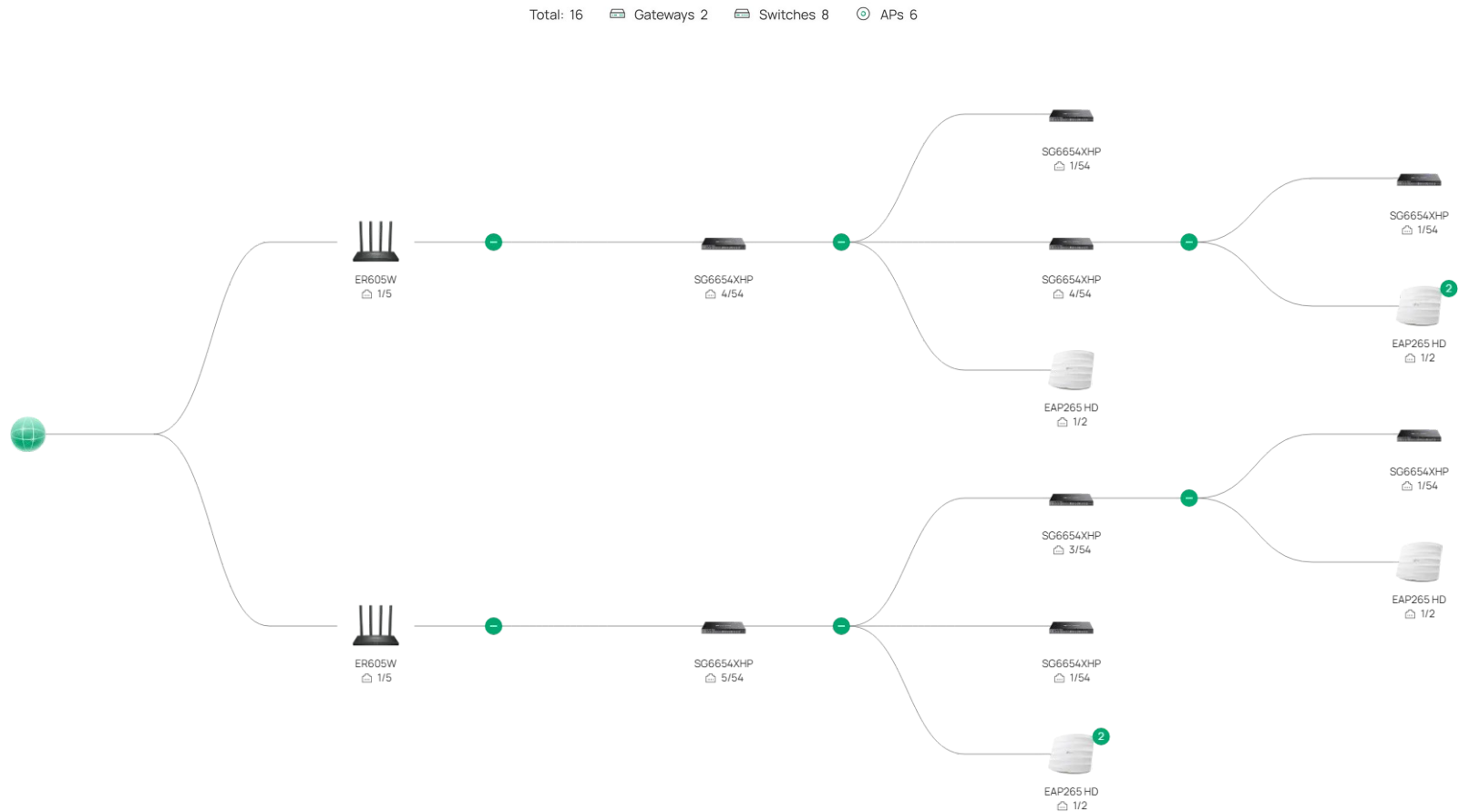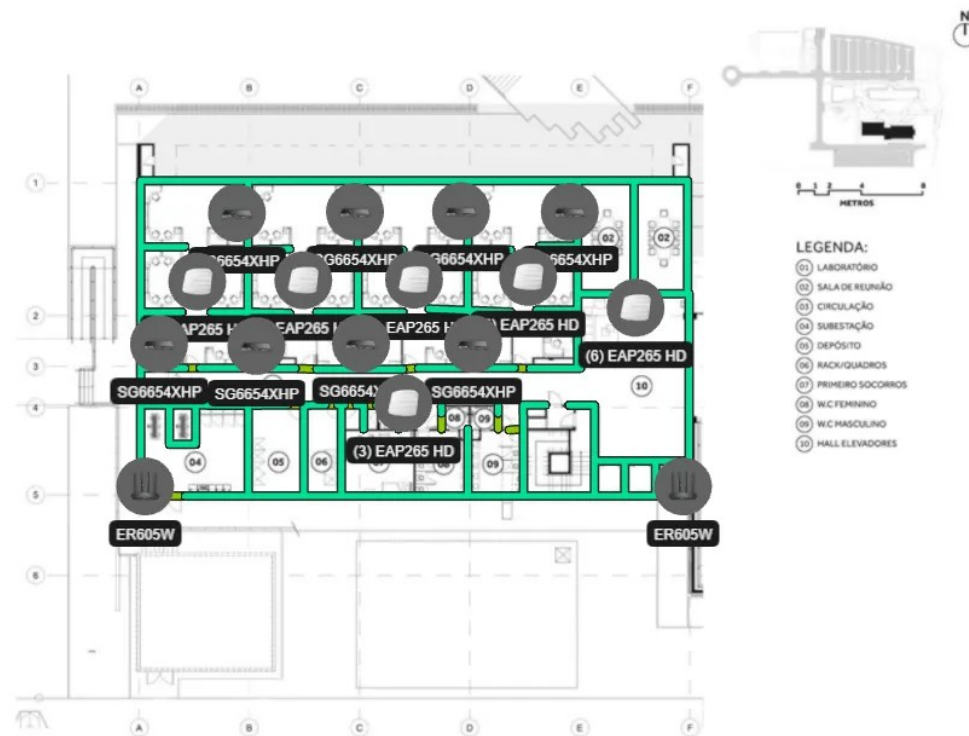| Equipment Fees	+	Additional Fees	+	Taxes (Tax Points 0.0%)
30223.24		11012.00		0.00

Total Price (BR)

41235.24

2. Topology

Go to the following link (valid for 7 days) for a more detailed topology:

https://use1-design.tplinkcloud.com/#/share/topology/019c1c35-5b25-7fab-89c3-c2ad71c9dbdb

Total: 16   Gateways 2   Switches 8   APs 6

ER605W
1/5

SG6654XHP
4/54

SG6654XHP
1/54

SG6654XHP
4/54

EAP265 HD
1/2

SG6654XHP
1/54

EAP265 HD
1/2

ER605W
1/5

SG6654XHP
5/54

SG6654XHP
3/54

SG6654XHP
1/54

EAP265 HD
1/2

SG6654XHP
1/54

EAP265 HD
1/2

EAP265 HD
1/2

3. Floor Plan for Lab-Redes-Lagarto
· Placement Map

BLOCO PESQUISA E LABORATÓRIOS - TÉRREO

· Device List

AP								
		Device Name	Model	Mounting	Height	Angle	Channel (2.4 GHz/5 GHz/6 GHz)	Power (2.4 GHz/5 GHz/6 GHz)
(1)		EAP265 HD	EAP265 HD	Ceiling Mount	3.0 m	–	1/36/-	20 dBm/23 dBm/-
(2)		EAP265 HD	EAP265 HD	Ceiling Mount	3.0 m	–	1/36/-	20 dBm/23 dBm/-
(3)		EAP265 HD	EAP265 HD	Ceiling Mount	3.0 m	–	1/36/-	20 dBm/23 dBm/-
(4)		EAP265 HD	EAP265 HD	Ceiling Mount	3.0 m	–	1/36/-	20 dBm/23 dBm/-
(5)		EAP265 HD	EAP265 HD	Ceiling Mount	3.0 m	–	1/36/-	20 dBm/23 dBm/-
(6)		EAP265 HD	EAP265 HD	Ceiling Mount	3.0 m	–	1/36/-	20 dBm/23 dBm/-

· Device List (Continue Table)

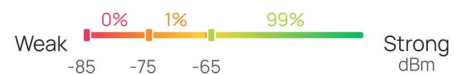| Others				
		Device Name	Category	Model
(1)		ER605W	Gateway	ER605W
(2)		ER605W	Gateway	ER605W
(3)		SG6654XHP	Switch	SG6654XHP
(4)		SG6654XHP	Switch	SG6654XHP
(5)		SG6654XHP	Switch	SG6654XHP
(6)		SG6654XHP	Switch	SG6654XHP
(7)		SG6654XHP	Switch	SG6654XHP
(8)		SG6654XHP	Switch	SG6654XHP
(9)		SG6654XHP	Switch	SG6654XHP

· Device List (Continue Table)

(10)		SG6654XHP	Switch	SG6654XHP

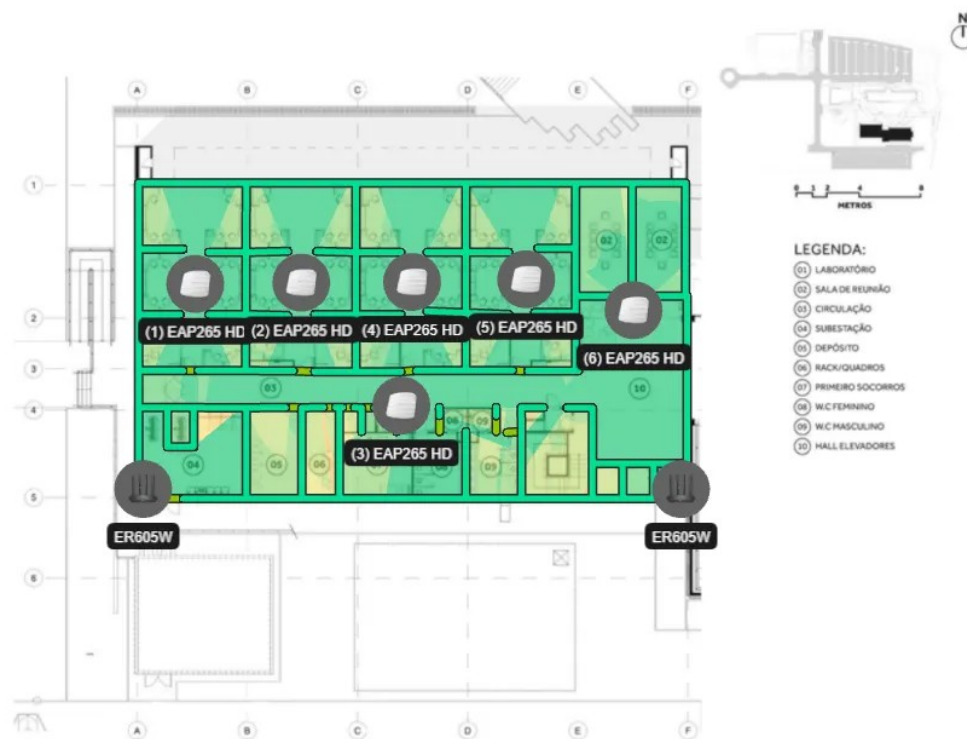## · 2.4G WI-FI Coverage
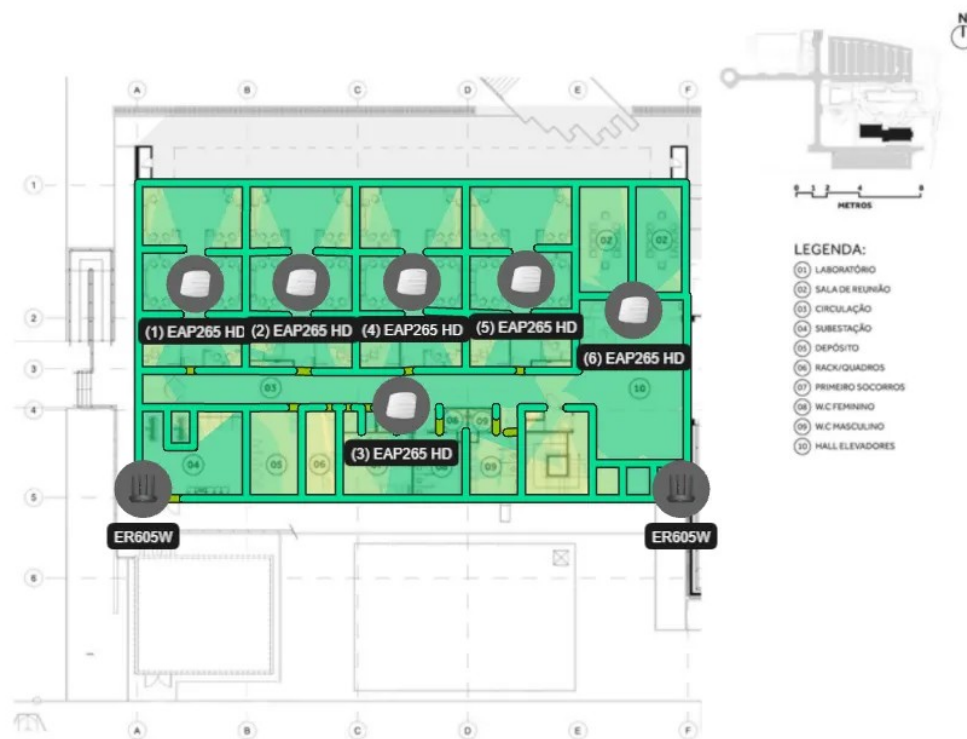
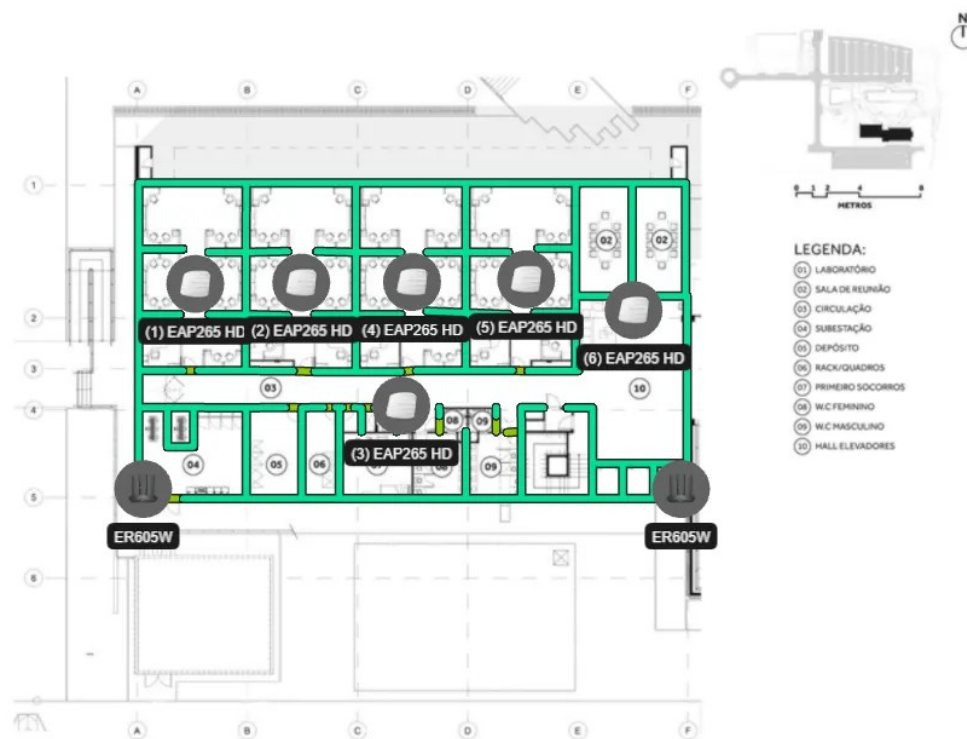BLOCO PESQUISA E LABORATÓRIOS - TÉRREO

· 5G WI-FI Coverage

BLOCO PESQUISA E LABORATÓRIOS - TÉRREO

LEGENDA:
01 LABORATÓRIO
02 SALA DE REUNIÃO
03 CIRCULAÇÃO
04 SUBESTAÇÃO
05 DEPÓSITO
06 RACK/QUADROS
07 PRIMEIRO SOCORROS
08 W.C FEMININO
09 W.C MASCULINO
10 HALL ELEVADORES

0%   2%   98%
Weak   Strong
-85   -75   -65   dBm

· 6G WI-FI Coverage

BLOCO PESQUISA E LABORATÓRIOS - TÉRREO

· Cabling Diagram

● CAT.6A

BLOCO PESQUISA E LABORATÓRIOS - TÉRREO

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