



## Floor Plan for Planta-LabRedes

01/27/2026

## 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	1	0	1	USD 0.00	0.00%	USD 0.00
	ER706W Omada Gigabit AX3000 Wi-Fi 6 VPN Gateway	1	0	1	USD 0.00	0.00%	USD 0.00
	SX3832MPP Omada 32-Port 10GE L2+ Managed Switch with 24-Port PoE++	7	0	7	USD 0.00	0.00%	USD 0.00
	EAP787 BE15000 Ceiling Mount Tri-Band Wi-Fi 7 Access Point	13	0	13	USD 0.00	0.00%	USD 0.00
	CAT.6A Supports 10 Gbps rate within 100 m / 328 ft	299 m (981 ft)	0	299 m (981 ft)	USD 0.00	0.00%	USD 0.00

Equipment Fees 0.00	+	Additional Fees 0.00	+	Taxes (Tax Points 0.0%) 0.00
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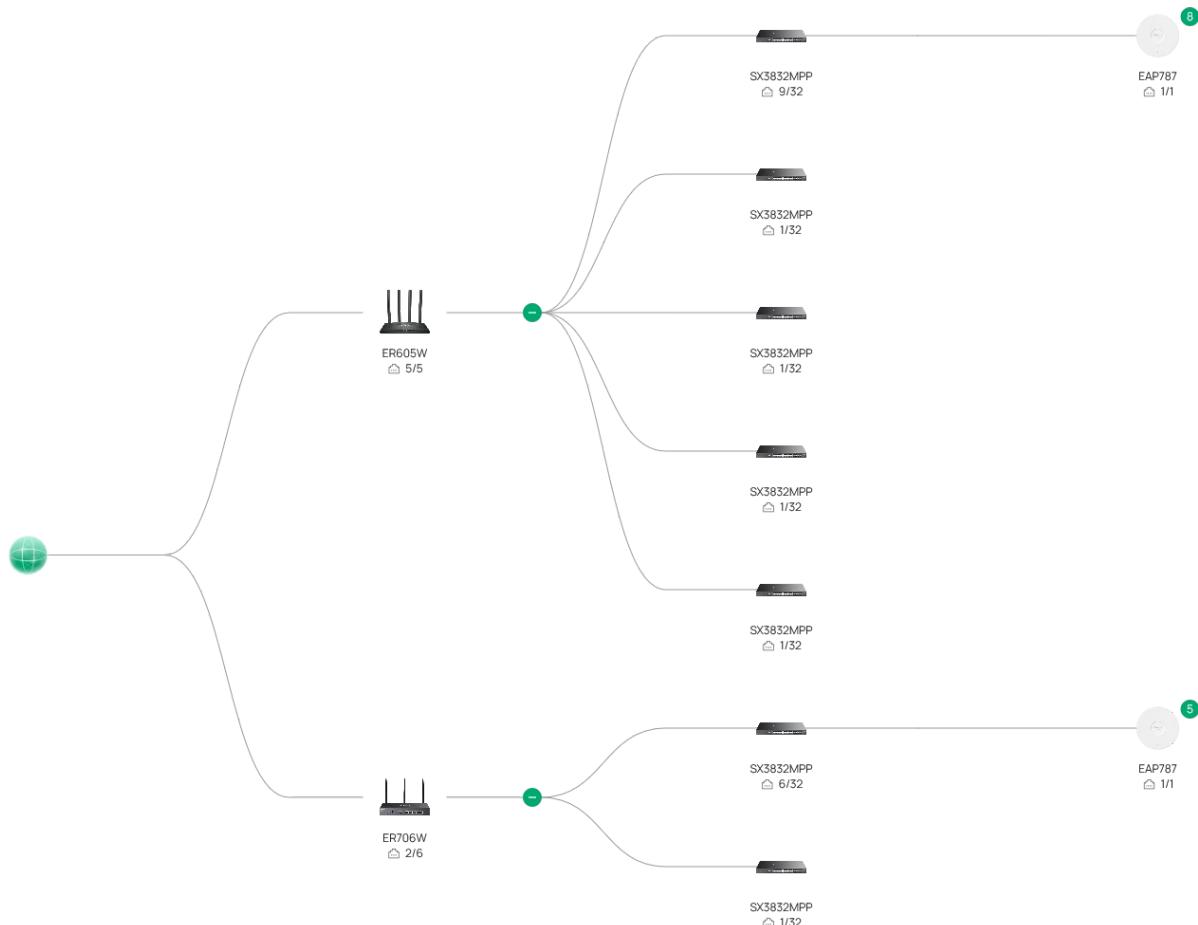
Total Price (USD)  
0.00

## 2. Topology

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

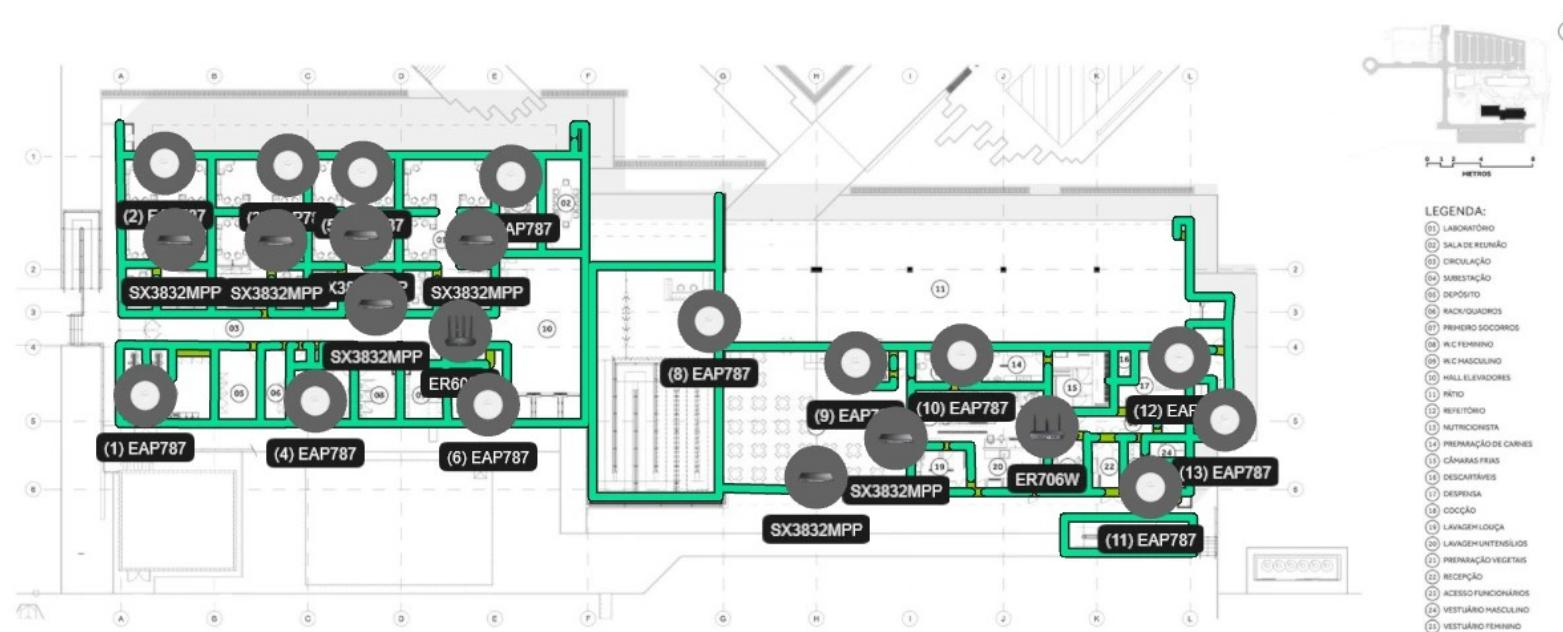
<https://use1-design.tplinkcloud.com/#/share/topology/019c00bc-ae97-73a8-92cb-bee71a98591c>

Total: 22    Gateways 2    Switches 7    APs 13



## 3. Floor Plan for lab

- 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)		EAP787	EAP787	Ceiling Mount	3.0 m	-	1/36/33	20 dBm/23 dBm/23 dBm
(2)		EAP787	EAP787	Ceiling Mount	3.0 m	-	1/36/33	20 dBm/23 dBm/23 dBm
(3)		EAP787	EAP787	Ceiling Mount	3.0 m	-	1/36/33	20 dBm/23 dBm/23 dBm
(4)		EAP787	EAP787	Ceiling Mount	3.0 m	-	1/36/33	20 dBm/23 dBm/23 dBm
(5)		EAP787	EAP787	Ceiling Mount	3.0 m	-	1/36/33	20 dBm/23 dBm/23 dBm
(6)		EAP787	EAP787	Ceiling Mount	3.0 m	-	1/36/33	20 dBm/23 dBm/23 dBm
(7)		EAP787	EAP787	Ceiling Mount	3.0 m	-	1/36/33	20 dBm/23 dBm/23 dBm
(8)		EAP787	EAP787	Ceiling Mount	3.0 m	-	1/36/33	20 dBm/23 dBm/23 dBm
(9)		EAP787	EAP787	Ceiling Mount	3.0 m	-	1/36/33	20 dBm/23 dBm/23 dBm

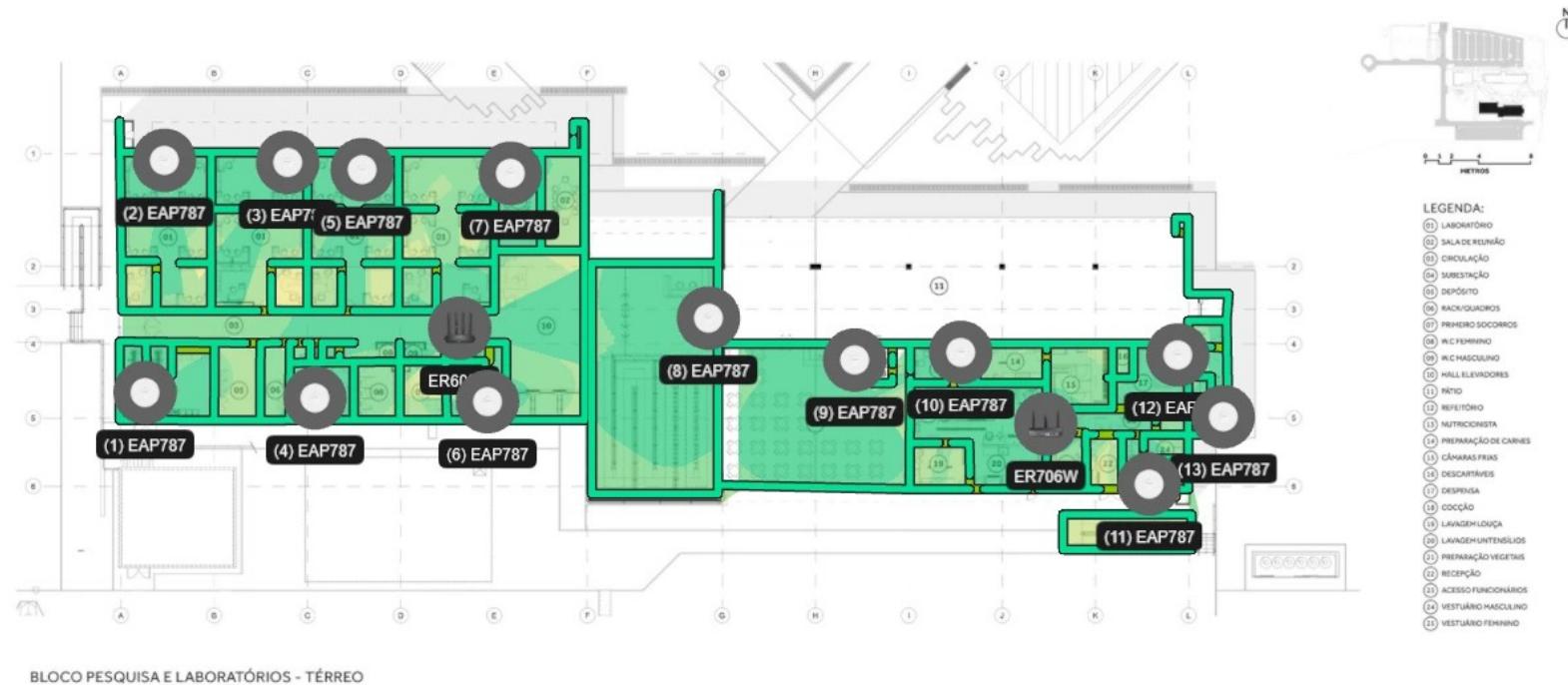
## · Device List (Continue Table)

(10)		EAP787	EAP787	Ceiling Mount	3.0 m	-	1/36/33	20 dBm/23 dBm/23 dBm
(11)		EAP787	EAP787	Ceiling Mount	3.0 m	-	1/36/33	20 dBm/23 dBm/23 dBm
(12)		EAP787	EAP787	Ceiling Mount	3.0 m	-	1/36/33	20 dBm/23 dBm/23 dBm
(13)		EAP787	EAP787	Ceiling Mount	3.0 m	-	1/36/33	20 dBm/23 dBm/23 dBm

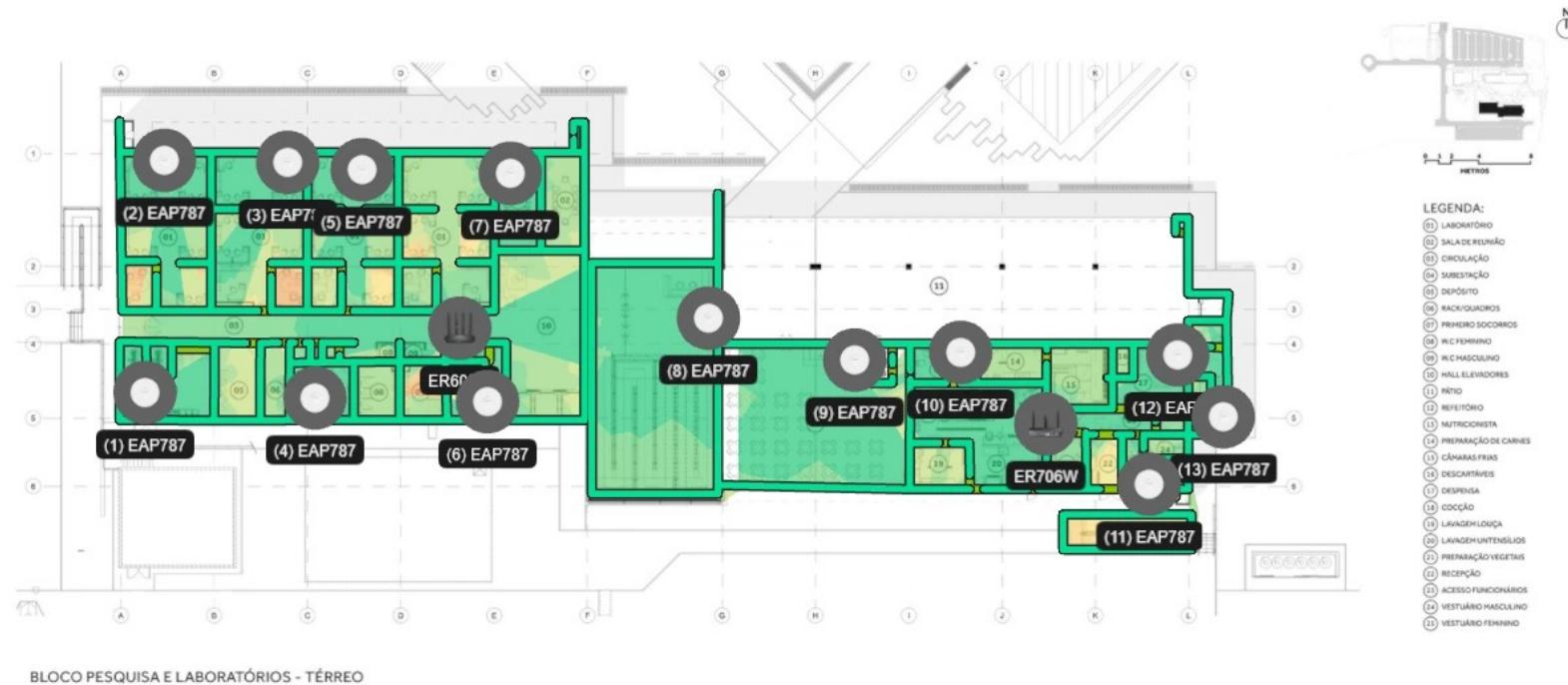
## · Device List (Continue Table)

Others				
	Device Name	Category	Model	
(1)		ER605W	Gateway	ER605W
(2)		ER706W	Gateway	ER706W
(3)		SX3832MPP	Switch	SX3832MPP
(4)		SX3832MPP	Switch	SX3832MPP
(5)		SX3832MPP	Switch	SX3832MPP
(6)		SX3832MPP	Switch	SX3832MPP
(7)		SX3832MPP	Switch	SX3832MPP
(8)		SX3832MPP	Switch	SX3832MPP
(9)		SX3832MPP	Switch	SX3832MPP

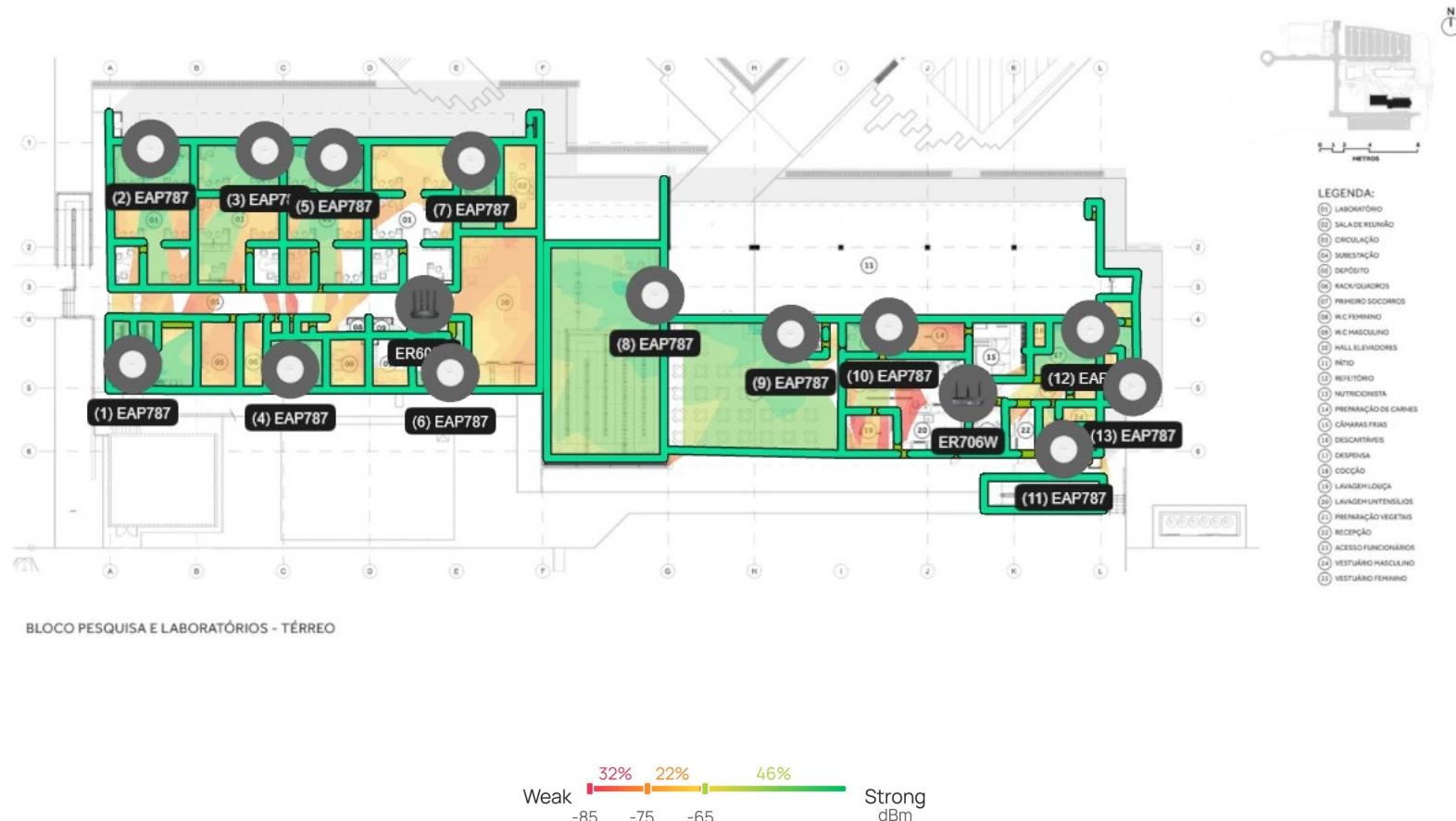
## · 2.4G WI-FI Coverage



## · 5G WI-FI Coverage



#### • 6G WI-FI Coverage



## · Cabling Diagram

● CAT.6A

