Omada
by tp-link

Floor Plan for plan_engineering_office

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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
	ER7206	Omada Gigabit VPN Gateway	1	0	1	USD 0.00	0.00%	USD 0.00
	SG3452	Omada 48-Port Gigabit L2+ Managed Switch with 4 SFP Slots	1	0	1	USD 0.00	0.00%	USD 0.00
	SG3428	Omada 24-Port Gigabit L2+ Managed Switch with 4 SFP Slots	3	0	3	USD 0.00	0.00%	USD 0.00
	SG2210MP	Omada 10-Port Gigabit Smart Switch with 8-Port PoE+	1	0	1	USD 0.00	0.00%	USD 0.00
	EAP610	AX1800 Ceiling Mount WiFi 6 Access Point	3	0	3	USD 0.00	0.00%	USD 0.00
	CAT.6	Supports 10 Gbps rate within 55 m / 180 ft	97 m (319 ft)	0	97 m (319 ft)	USD 0.00	0.00%	USD 0.00

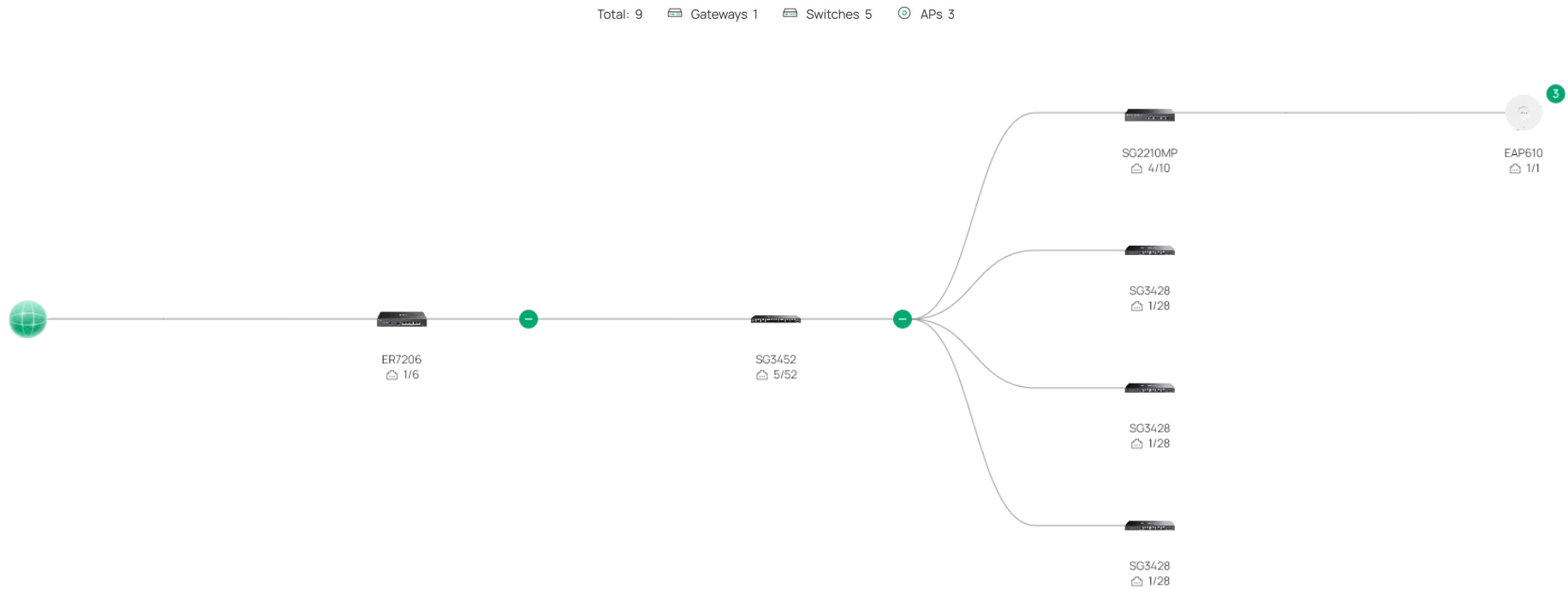| Equipment Fees		Additional Fees		Taxes (Tax Points 0.0%)
0.00	+	0.00	+	0.00

Total Price (USD)
0.00

2. Topology

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

https://aps1-design.tplinkcloud.com/#/share/topology/019c567a-8809-7bbb-b1cc-fdb4eb06ffa8

Total: 9   Gateways 1   Switches 5   APs 3

SG2210MP
4/10

EAP610
1/1

SG3428
1/28

ER7206
1/6

SG3452
5/52

SG3428
1/28

SG3428
1/28

3. Floor Plan for Computer department
· Placement Map

· 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)		EAP610	EAP610	Ceiling Mount	3.0 m	–	1/36/-	20 dBm/23 dBm/-
(2)		EAP610	EAP610	Ceiling Mount	3.0 m	–	1/36/-	20 dBm/23 dBm/-
(3)		EAP610	EAP610	Ceiling Mount	3.0 m	–	1/36/-	20 dBm/23 dBm/-

· Device List (Continue Table)

Others		Device Name	Category	Model
(1)		SG3452	Switch	SG3452
(2)		ER7206	Gateway	ER7206
(3)		SG3428	Switch	SG3428
(4)		SG3428	Switch	SG3428
(5)		SG3428	Switch	SG3428
(6)		SG2210MP	Switch	SG2210MP

· 2.4G WI-FI Coverage

Weak ▬▬▬▬▬▬▬▬▬▬ Strong

37%　7%　56%

-85　-75　-65　dBm

· 5G WI-FI Coverage

Weak ▬▬ 41% ▬ 5% ▬ 54% ▬▬ Strong
-85   -75   -65   dBm

· 6G WI-FI Coverage

Weak ▬▬▬▬▬▬▬▬▬▬▬▬ Strong
100% 0%   0%
-85 -75 -65   dBm

· Cabling Diagram

● CAT.6