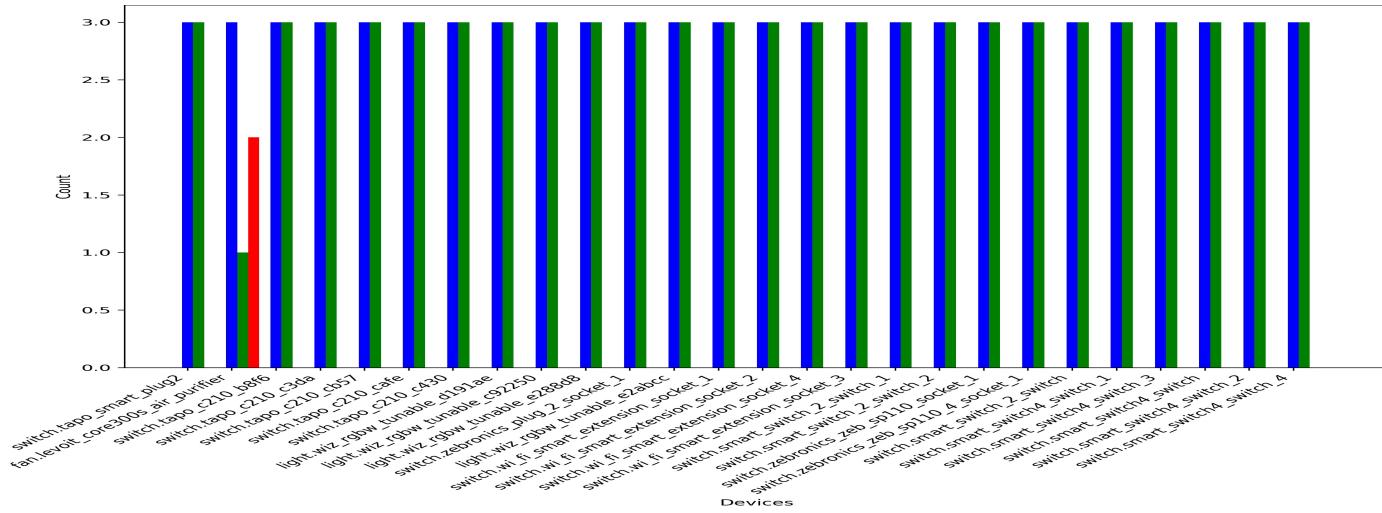


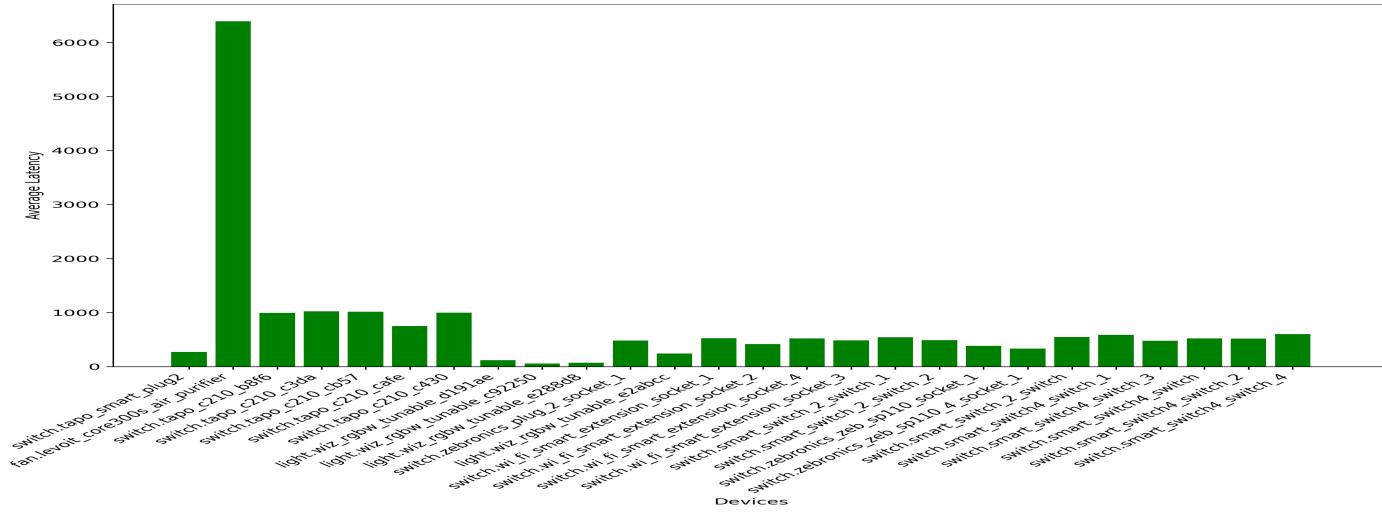
## Objective

The Candela IoT test is designed to measure the performance of the Access Point by using different types of IoT devices connected to an Alexa which is connected to an AP. We measure the latencies in performing specific tasks at every iteration and note the number of times a command is successfully executed and failed. The expected behaviour is for the AP to be able to handle several IoT devices (within the limitations of the AP specs) and make sure all devices can be controlled.

## Test Statistics



## Request vs Average Latency (ms)



## Overall Report Table

Device	Min. Latency (ms)	Avg. Latency (ms)	Max. Latency (ms)	No. of Iterations	Successful Iterations	Failed Iterations
switch.tapo_smart_plug2	126.59	270.07	383.32	3	3	0
fan.levoit_core300s_air_purifier	2.9	6395.52	18653.69	3	1	2
switch.tapo_c210_b8f6	948.94	993.07	1065.72	3	3	0
switch.tapo_c210_c3da	946.57	1023.33	1067.08	3	3	0
switch.tapo_c210_cb57	938.57	1016.37	1056.88	3	3	0
switch.tapo_c210_cafe	672.16	750.52	797.74	3	3	0
switch.tapo_c210_c430	946.66	999.66	1042.26	3	3	0
light.wiz_rgbw_tunable_d191ae	10.22	117.59	332.3	3	3	0
light.wiz_rgbw_tunable_c92250	0.37	57.17	90.72	3	3	0
light.wiz_rgbw_tunable_e288d8	1.72	71.28	205.6	3	3	0
switch.zebronics_plug_2_socket_1	480.91	483.73	487.5	3	3	0
light.wiz_rgbw_tunable_e2abcc	48.74	243.55	407.84	3	3	0
switch.wi_fi_smart_extension_socket_1	482.84	523.9	551.64	3	3	0
switch.wi_fi_smart_extension_socket_2	406.31	416.28	423.77	3	3	0
switch.wi_fi_smart_extension_socket_4	424.28	522.77	593.7	3	3	0
switch.wi_fi_smart_extension_socket_3	474.49	485.12	491.67	3	3	0
switch.smart_switch_2_switch_1	497.09	543.86	596.6	3	3	0
switch.smart_switch_2_switch_2	428.96	489.34	576.32	3	3	0
switch.zebronics_zeb_sp110_socket_1	339.76	384.43	460.73	3	3	0
switch.zebronics_zeb_sp110_4_socket_1	273.15	331.28	439.76	3	3	0
switch.smart_switch_2_switch	437.27	548.34	662.3	3	3	0
switch.smart_switch4_switch_1	460.5	588.51	687.76	3	3	0
switch.smart_switch4_switch_3	401.49	477.01	614.44	3	3	0
switch.smart_switch4_switch	492.38	521.39	552.45	3	3	0
switch.smart_switch4_switch_2	463.31	519.69	627.89	3	3	0
switch.smart_switch4_switch_4	551.05	602.88	693.51	3	3	0

## Input Parameters

The below table provides the input parameters for the test.

Testname	IoTDeviceTest_2025-08-2110:32:57.105356
Device List	switch.tapo_smart_plug2,fan.levoit_core300s_air_purifier,switch.tapo_c210_b8f6,switch.tapo_c210_c3da,switch.tapo_c210_cb57,switch.tapo_c210_cafe,switch.tapo_c210_c430,light.wiz_rg
No. of devices	26
Iterations	3
Delay (seconds)	10

Generated by Candela Technologies LANforge network testing tool

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