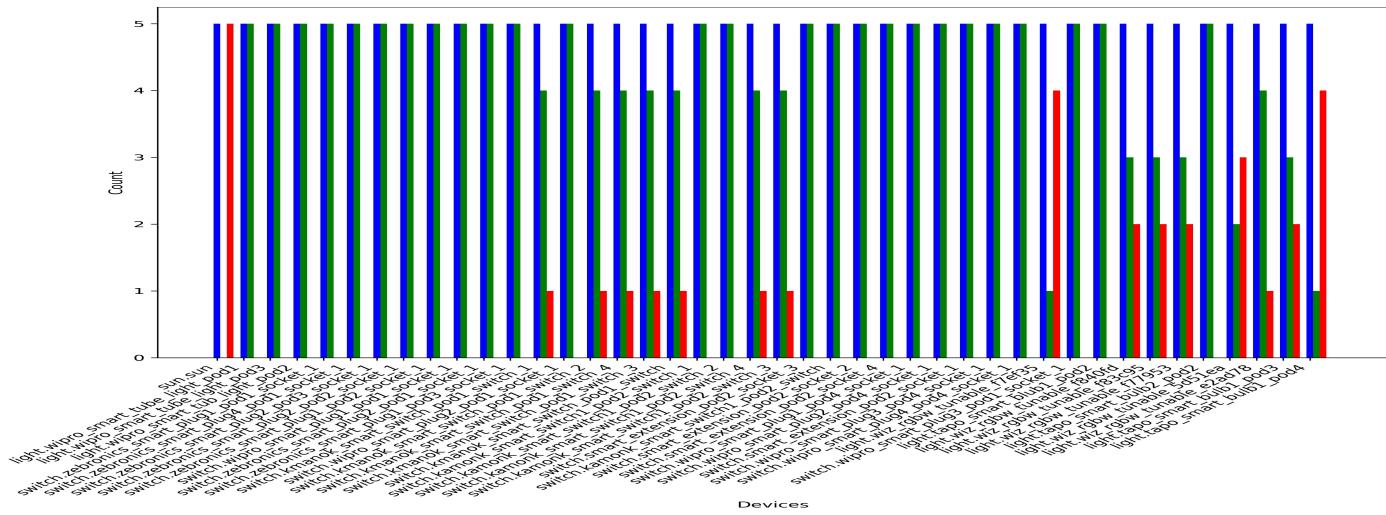


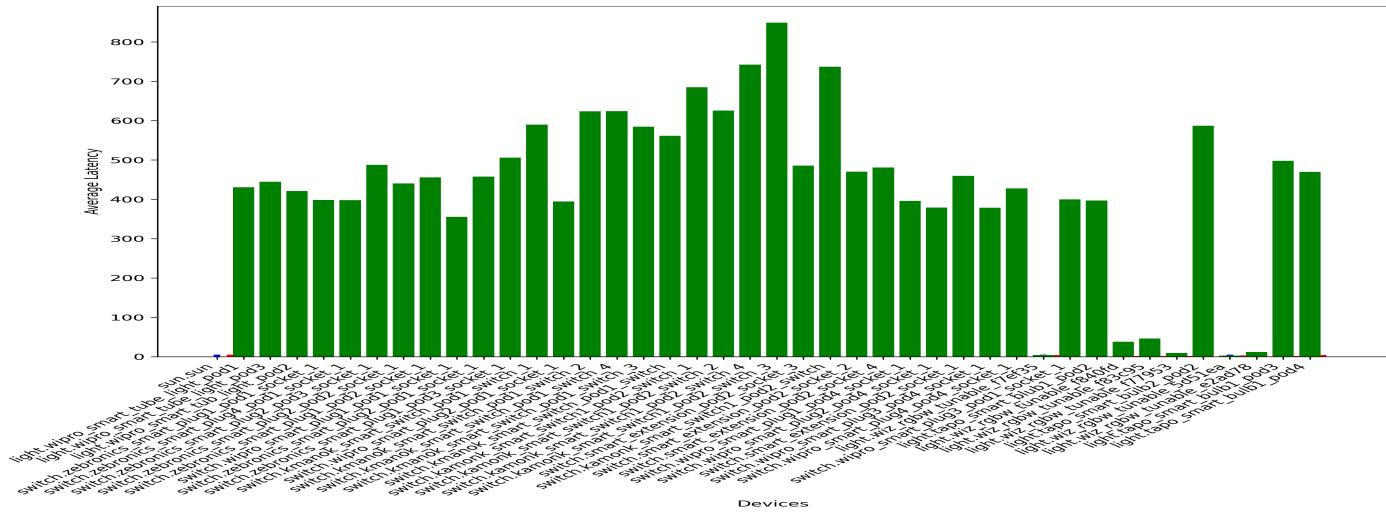
## Objective

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
sun.sun	-	-	-	5	0	5
light.wipro_smart_tube_light_pod1	327.10299999999995	430.6824	557.572	5	5	0
light.wipro_smart_tube_light_pod3	299.674	444.7058	558.635	5	5	0
light.wipro_smart_tub_light_pod2	272.109	420.79920000000004	598.6120000000001	5	5	0
switch.zebronics_smart_plug1_pod1_socket_1	277.698	398.4689999999994	472.798	5	5	0
switch.zebronics_smart_plug4_pod1_socket_1	267.449	397.8894	566.684	5	5	0
switch.zebronics_smart_plug2_pod3_socket_1	290.204	487.5482	620.952	5	5	0
switch.zebronics_smart_plug2_pod2_socket_1	352.699	440.399	542.497	5	5	0
switch.zebronics_smart_plug1_pod2_socket_1	307.921	455.58540000000005	651.968	5	5	0
switch.wipro_smart_plug1_pod1_socket_1	220.525	355.1412	431.212	5	5	0
switch.zebronics_smart_plug2_pod1_socket_1	304.622	457.6616	538.653	5	5	0
switch.zebronics_smart_plug1_pod3_socket_1	322.711	505.9914	601.967	5	5	0
switch.kmanok_smart_switch_pod1_switch_1	462.995	589.9396	650.088	5	4	1
switch.wipro_smart_plug2_pod1_socket_1	275.092	394.5784	444.941	5	5	0
switch.kmanok_smart_switch_pod1_switch_2	473.62100000000004	623.4118000000001	767.959	5	4	1
switch.kmanok_smart_switch_pod1_switch_4	529.89	623.906	775.029	5	4	1
switch.kmanok_smart_switch_pod1_switch_3	517.499	584.7382	680.539	5	4	1
switch.kmanok_smart_switch_pod1_switch	421.118	561.26175	696.515	5	4	1
switch.kamonk_smart_switch1_pod2_switch_1	494.4779999999995	684.640799999999	806.241	5	5	0
switch.kamonk_smart_switch1_pod2_switch_2	430.387	625.387	951.35	5	5	0
switch.kamonk_smart_switch1_pod2_switch_4	534.6220000000001	742.36625	910.423	5	4	1
switch.kamonk_smart_switch1_pod2_switch_3	800.847	849.02175	918.87	5	4	1
switch.smart_extension_pod2_socket_3	388.704	485.4572	588.521	5	5	0
switch.kamonk_smart_switch1_pod2_switch	560.316	736.725799999999	925.907	5	5	0
switch.smart_extension_pod2_socket_2	316.567	470.351	569.532	5	5	0
switch.smart_extension_pod2_socket_4	447.372	480.96040000000005	535.674	5	5	0
switch.wipro_smart_plug1_pod4_socket_1	253.5899999999997	395.7618000000005	502.6270000000007	5	5	0
switch.wipro_smart_plug2_pod4_socket_1	285.094	379.1298	449.8280000000003	5	5	0
switch.smart_extension_pod2_socket_1	325.513	459.5192	527.803	5	5	0
switch.wipro_smart_plug3_pod4_socket_1	322.055	378.7528	468.6409999999996	5	5	0
switch.wipro_smart_plug4_pod4_socket_1	343.437	427.8184	529.775	5	5	0
light.wiz_rgbw_tunable_f7ef35	4.303000000000001	4.303000000000001	4.303000000000001	5	1	4
switch.wipro_smart_plug3_pod1_socket_1	273.632	399.6067999999996	524.537999999999	5	5	0
light.tapo_smart_bulb1_pod2	70.622	396.6472	670.843	5	5	0
light.wiz_rgbw_tunable_f840fd	1.689	38.0693333333333	100.762	5	3	2
light.wiz_rgbw_tunable_f83c95	18.443	46.382	73.7629999999999	5	3	2
light.wiz_rgbw_tunable_f77953	1.597	9.48266666666667	18.501	5	3	2
light.tapo_smart_bulb2_pod2	416.303	587.1558	842.134	5	5	0
light.wiz_rgbw_tunable_5d51ea	0.2	2.715000000000003	5.23	5	2	3
light.wiz_rgbw_tunable_e2ad78	3.677	11.92675	21.668	5	4	1
light.tapo_smart_bulb1_pod3	244.417	497.790666666667	790.949000000001	5	3	2
light.tapo_smart_bulb1_pod4	469.8160000000003	469.8160000000003	469.8160000000003	5	1	4

## Input Parameters

The below table provides the input parameters for the test.

Testname	IoTDeviceTest_2025-04-2120:48:28.861914
Device List	sun.sun,light.wipro_smart_tube_light_pod1,light.wipro_smart_tube_light_pod3,light.wipro_smart_tub_light_pod2,switch.zebronics_smart_plug1_pod1_socket_1,switch.zebronics_smart_plug4_r
No. of devices	42
Iterations	5
Delay (seconds)	10

Generated by Candela Technologies LANforge network testing tool

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