

Robot Ping Test Report

2026-01-06-18:09:23



Test Setup Information	Test Name	SAM-S25-PING-TEST-LONG-RUN
	SSID	AP_ROAM
	Security	wpa2/wpa3
	No of Devices	1
	Iteration	56
	Total Runtime	06:42:08
	Total Charge Time	00:00:00

Objective

The objective of this Robot Ping Test is to run a series of configurable ICMP pings while the robot moves along predefined points. The test allows the user to choose the destination IP address, set the ping interval, and change the ping payload size, helping evaluate network stability, latency, and packet loss during continuous robotic movement.

Overall Results:

Below table consists of roaming details such as BSSID change, signal strength, RTT, and packet loss.

Roam.	From	To	RTT(In ms)			Packets Sent	Packets Received	Packet loss
	BSSID	BSSID	min	avg	max			
1	00:03:7F:41:10:16	00:03:7F:41:10:16	38.9	56.122	89.2	10	9	1
2	00:03:7F:41:10:16	00:03:7F:12:52:52	31.7	44.65	52.1	9	8	1
3	00:03:7F:12:52:52	00:03:7F:41:10:16	33.4	44.412	54.2	9	8	1
4	00:03:7F:41:10:16	00:03:7F:12:52:52	32.4	43.475	52.0	9	8	1
5	00:03:7F:12:52:52	00:03:7F:41:10:16	35.1	48.283	56.0	7	6	1
6	00:03:7F:41:10:16	00:03:7F:12:52:52	37.0	50.512	65.6	9	8	1
7	00:03:7F:12:52:52	00:03:7F:41:10:16	40.3	48.486	60.1	8	7	1
8	00:03:7F:41:10:16	00:03:7F:12:52:52	38.6	53.4	62.7	9	8	1
9	00:03:7F:12:52:52	00:03:7F:41:10:16	37.2	49.5	60.7	10	8	2
10	00:03:7F:41:10:16	00:03:7F:12:52:52	37.8	50.3	54.5	9	8	1
11	00:03:7F:12:52:52	00:03:7F:41:10:16	37.8	50.244	57.7	10	9	1
12	00:03:7F:41:10:16	00:03:7F:12:52:52	37.2	51.444	61.2	10	9	1
13	00:03:7F:12:52:52	00:03:7F:41:10:16	41.4	52.8	56.9	9	8	1
14	00:03:7F:41:10:16	00:03:7F:12:52:52	37.1	49.075	53.1	9	8	1
15	00:03:7F:12:52:52	00:03:7F:41:10:16	38.0	52.133	65.4	10	9	1
16	00:03:7F:41:10:16	00:03:7F:12:52:52	38.3	49.7	63.2	9	8	1
17	00:03:7F:12:52:52	00:03:7F:41:10:16	41.8	51.729	58.1	8	7	1
18	00:03:7F:41:10:16	00:03:7F:12:52:52	37.8	58.05	86.4	9	8	1
19	00:03:7F:12:52:52	00:03:7F:41:10:16	41.0	48.6	52.9	3	3	0
20	00:03:7F:41:10:16	00:03:7F:12:52:52	39.8	70.262	112.0	9	8	1
21	00:03:7F:12:52:52	00:03:7F:41:10:16	38.1	58.65	92.8	10	4	6

22	00:03:7F:41:10:16	00:03:7F:12:52:52	37.6	59.45	98.5	9	8	1
23	00:03:7F:12:52:52	00:03:7F:41:10:16	48.4	64.1	93.3	9	8	1
24	00:03:7F:41:10:16	00:03:7F:12:52:52	37.2	53.975	61.1	10	4	6
25	00:03:7F:12:52:52	00:03:7F:41:10:16	37.7	53.678	65.6	10	9	1
26	00:03:7F:41:10:16	00:03:7F:12:52:52	40.9	50.375	56.0	4	4	0
27	00:03:7F:12:52:52	00:03:7F:41:10:16	38.1	50.7	56.5	9	7	2
28	00:03:7F:41:10:16	00:03:7F:12:52:52	39.8	52.1	61.3	4	4	0
29	00:03:7F:12:52:52	00:03:7F:41:10:16	38.6	53.312	58.1	9	8	1
30	00:03:7F:41:10:16	00:03:7F:12:52:52	40.0	55.689	63.8	10	9	1
31	00:03:7F:12:52:52	00:03:7F:41:10:16	42.9	52.213	60.9	9	8	1
32	00:03:7F:41:10:16	00:03:7F:12:52:52	36.4	45.411	52.2	10	9	1
33	00:03:7F:12:52:52	00:03:7F:41:10:16	41.4	51.475	55.7	9	8	1
34	00:03:7F:41:10:16	00:03:7F:12:52:52	37.3	47.978	61.6	10	9	1
35	00:03:7F:12:52:52	00:03:7F:41:10:16	41.0	52.0	59.0	9	8	1
36	00:03:7F:41:10:16	00:03:7F:12:52:52	37.6	52.3	62.4	9	8	1
37	00:03:7F:12:52:52	00:03:7F:41:10:16	35.4	52.525	59.5	9	8	1
38	00:03:7F:41:10:16	00:03:7F:12:52:52	38.2	50.033	57.1	10	9	1
39	00:03:7F:12:52:52	00:03:7F:41:10:16	36.4	50.938	58.9	9	8	1
40	00:03:7F:41:10:16	00:03:7F:12:52:52	35.9	47.722	57.0	10	9	1
41	00:03:7F:12:52:52	00:03:7F:41:10:16	39.4	49.025	56.9	9	8	1
42	00:03:7F:41:10:16	00:03:7F:12:52:52	33.8	48.611	55.7	10	9	1
43	00:03:7F:12:52:52	00:03:7F:41:10:16	34.3	50.95	56.0	9	8	1
44	00:03:7F:41:10:16	00:03:7F:12:52:52	38.6	49.456	57.0	10	9	1
45	00:03:7F:12:52:52	00:03:7F:41:10:16	37.6	63.462	175.0	9	8	1
46	00:03:7F:41:10:16	00:03:7F:12:52:52	35.4	45.922	53.7	10	9	1
47	00:03:7F:12:52:52	00:03:7F:41:10:16	34.2	50.375	68.4	9	8	1
48	00:03:7F:41:10:16	00:03:7F:12:52:52	35.9	50.956	63.9	10	9	1
49	00:03:7F:12:52:52	00:03:7F:41:10:16	35.3	48.343	59.5	10	7	3
50	00:03:7F:41:10:16	00:03:7F:12:52:52	34.5	59.811	87.1	10	9	1
51	00:03:7F:12:52:52	00:03:7F:41:10:16	34.2	48.625	54.6	9	8	1
52	00:03:7F:41:10:16	00:03:7F:12:52:52	34.3	52.367	79.5	10	9	1
53	00:03:7F:12:52:52	00:03:7F:41:10:16	36.0	61.225	102.0	9	8	1
54	00:03:7F:41:10:16	00:03:7F:12:52:52	32.2	50.4	79.0	10	9	1
55	00:03:7F:12:52:52	00:03:7F:41:10:16	32.5	53.462	89.7	9	8	1
56	00:03:7F:41:10:16	00:03:7F:12:52:52	33.9	41.633	46.4	4	3	1
57	00:03:7F:12:52:52	00:03:7F:41:10:16	33.2	57.8	87.0	9	8	1
58	00:03:7F:41:10:16	00:03:7F:12:52:52	33.3	59.856	87.0	10	9	1
59	00:03:7F:12:52:52	00:03:7F:41:10:16	33.1	53.711	118.0	9	9	0
60	00:03:7F:41:10:16	00:03:7F:12:52:52	32.2	62.744	103.0	10	9	1
61	00:03:7F:12:52:52	00:03:7F:41:10:16	32.2	62.744	103.0	0	0	0
62	00:03:7F:41:10:16	00:03:7F:12:52:52	33.9	68.7	167.0	10	9	1
63	00:03:7F:12:52:52	00:03:7F:41:10:16	39.5	78.275	145.0	9	8	1
64	00:03:7F:41:10:16	00:03:7F:12:52:52	35.2	57.222	84.7	10	9	1
65	00:03:7F:12:52:52	00:03:7F:41:10:16	35.1	59.925	92.8	10	4	6
66	00:03:7F:41:10:16	00:03:7F:12:52:52	32.7	39.0	45.3	2	2	0

67	00:03:7F:12:52:52	00:03:7F:41:10:16	34.2	53.35	104.0	9	8	1
68	00:03:7F:41:10:16	00:03:7F:12:52:52	35.4	52.156	88.0	10	9	1
69	00:03:7F:12:52:52	00:03:7F:41:10:16	34.8	55.825	103.0	9	8	1
70	00:03:7F:41:10:16	00:03:7F:12:52:52	33.3	61.089	95.9	10	9	1
71	00:03:7F:12:52:52	00:03:7F:41:10:16	33.2	62.625	104.0	9	8	1
72	00:03:7F:41:10:16	00:03:7F:12:52:52	40.1	58.722	89.1	10	9	1
73	00:03:7F:12:52:52	00:03:7F:41:10:16	38.3	72.825	100.0	9	8	1
74	00:03:7F:41:10:16	00:03:7F:12:52:52	35.7	74.022	179.0	10	9	1
75	00:03:7F:12:52:52	00:03:7F:41:10:16	37.5	56.5	96.1	9	8	1
76	00:03:7F:41:10:16	00:03:7F:12:52:52	41.3	59.944	95.4	10	9	1
77	00:03:7F:12:52:52	00:03:7F:41:10:16	38.6	50.475	81.6	9	8	1
78	00:03:7F:41:10:16	00:03:7F:12:52:52	38.6	50.475	81.6	0	0	0
79	00:03:7F:12:52:52	00:03:7F:41:10:16	34.6	61.575	100.0	9	8	1
80	00:03:7F:41:10:16	00:03:7F:12:52:52	34.4	53.356	95.4	10	9	1
81	00:03:7F:12:52:52	00:03:7F:41:10:16	35.5	59.233	97.5	10	9	1
82	00:03:7F:41:10:16	00:03:7F:12:52:52	34.3	55.456	92.7	10	9	1
83	00:03:7F:12:52:52	00:03:7F:41:10:16	36.4	56.612	95.3	9	8	1
84	00:03:7F:41:10:16	00:03:7F:12:52:52	51.8	57.675	64.2	4	4	0
85	00:03:7F:12:52:52	00:03:7F:41:10:16	39.9	58.075	93.2	9	8	1
86	00:03:7F:41:10:16	00:03:7F:12:52:52	36.9	63.411	89.4	10	9	1
87	00:03:7F:12:52:52	00:03:7F:41:10:16	36.2	60.762	87.7	9	8	1
88	00:03:7F:41:10:16	00:03:7F:12:52:52	36.8	50.522	78.9	10	9	1
89	00:03:7F:12:52:52	00:03:7F:41:10:16	33.5	52.857	84.8	9	7	2
90	00:03:7F:41:10:16	00:03:7F:12:52:52	36.0	52.438	78.5	10	8	2
91	00:03:7F:12:52:52	00:03:7F:41:10:16	36.0	52.438	78.5	0	0	0
92	00:03:7F:41:10:16	00:03:7F:12:52:52	39.0	66.589	89.1	10	9	1
93	00:03:7F:12:52:52	00:03:7F:41:10:16	38.8	65.988	163.0	9	8	1
94	00:03:7F:41:10:16	00:03:7F:12:52:52	32.9	49.122	57.6	10	9	1
95	00:03:7F:12:52:52	00:03:7F:41:10:16	34.8	52.537	78.6	9	8	1
96	00:03:7F:41:10:16	00:03:7F:12:52:52	33.6	53.167	85.3	10	9	1
97	00:03:7F:12:52:52	00:03:7F:41:10:16	33.9	56.2	87.7	10	4	6
98	00:03:7F:41:10:16	00:03:7F:12:52:52	37.1	60.875	77.6	4	4	0
99	00:03:7F:12:52:52	00:03:7F:41:10:16	42.8	65.375	91.3	10	4	6
100	00:03:7F:41:10:16	00:03:7F:12:52:52	33.6	50.678	64.0	10	9	1
101	00:03:7F:12:52:52	00:03:7F:41:10:16	36.5	60.112	90.3	9	8	1
102	00:03:7F:41:10:16	00:03:7F:12:52:52	32.1	67.189	104.0	10	9	1
103	00:03:7F:12:52:52	00:03:7F:41:10:16	43.1	55.625	86.4	9	8	1
104	00:03:7F:41:10:16	00:03:7F:12:52:52	32.9	71.811	96.7	10	9	1
105	00:03:7F:12:52:52	00:03:7F:41:10:16	42.1	52.525	86.0	9	8	1
106	00:03:7F:41:10:16	00:03:7F:12:52:52	32.9	62.956	85.8	10	9	1
107	00:03:7F:12:52:52	00:03:7F:41:10:16	34.1	48.2	52.9	8	7	1
108	00:03:7F:41:10:16	00:03:7F:12:52:52	34.3	55.733	105.0	10	9	1
109	00:03:7F:12:52:52	00:03:7F:41:10:16	32.7	60.812	96.5	9	8	1
110	00:03:7F:41:10:16	00:03:7F:12:52:52	34.3	53.933	87.8	10	9	1

111	00:03:7F:12:52:52	00:03:7F:41:10:16	34.3	57.812	83.3	9	8	1
112	00:03:7F:41:10:16	00:03:7F:12:52:52	63.9	90.244	140.0	10	9	1
113	00:03:7F:12:52:52	00:03:7F:41:10:16	67.1	93.05	116.0	9	8	1

