



Spirent TestCenter Report

Test Type: RFC2544 Throughput Test

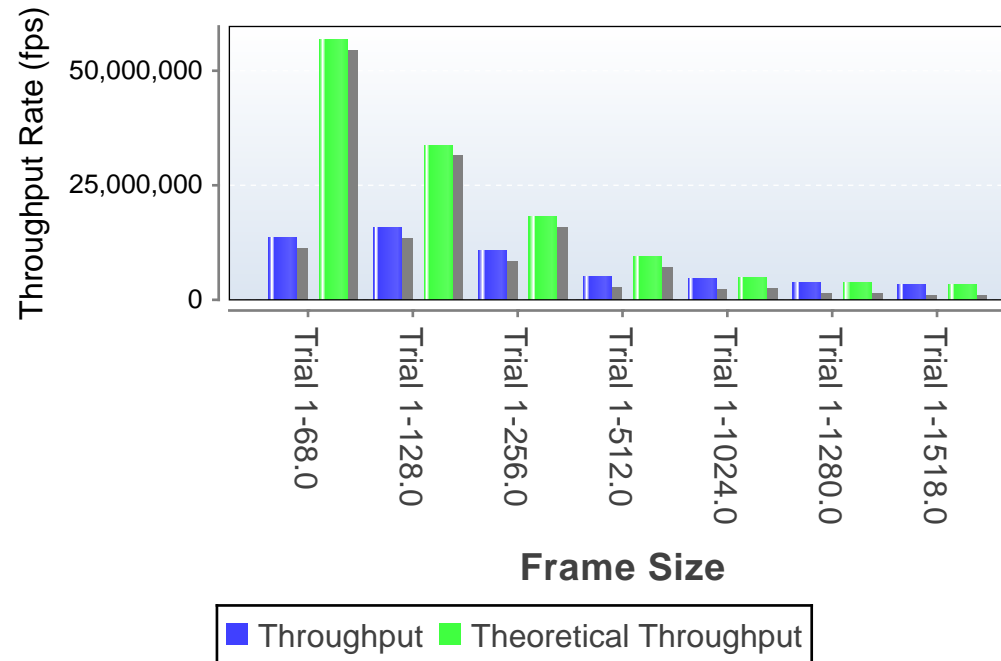
Counter Mode: Jitter

Test Date: 2019-03-19 13:12:23 CST





Throughput by Frame Size VS Theoretical Max

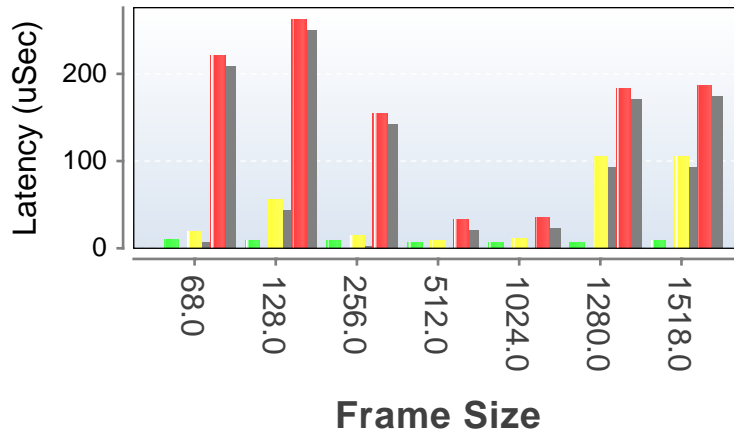


Total Trials	Number of Passed Trials	Frame Size (bytes)	Intended Load (%)	Offered Load (%)	Throughput (%)	Aggregated Throughput (fps)	Aggregated Theoretical Max (fps)	Aggregated Throughput (Mbps)
1	1	68	24.063	24.063	24.063	13671876	56818181	9625.001
1	1	128	46.563	46.563	46.563	15730574	33783783	18625
1	1	256	59.219	59.219	59.219	10728034	18115942	23687.501
1	1	512	54.297	54.297	54.297	5103090	9398496	21718.751
1	1	1024	96.484	96.484	96.484	4620899	4789272	38593.754
1	1	1280	100	100	100	3846153	3846153	40000
1	1	1518	100	100	100	3250975	3250975	40000.001

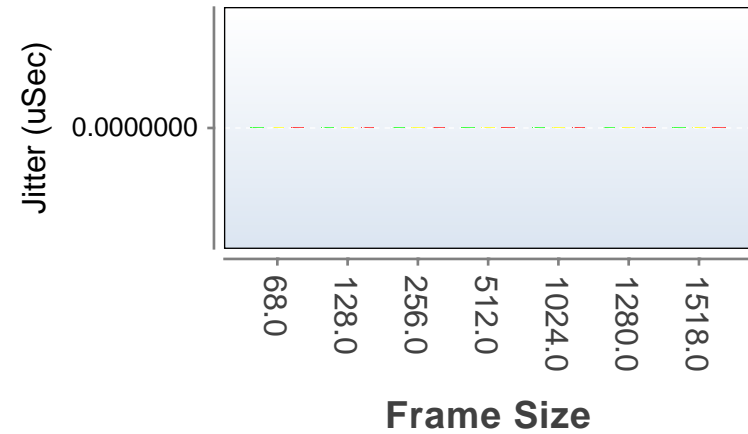
[illegible]



Latency by Frame size at Throughput



Jitter by Frame size at Throughput



■ Min Latency
 ■ Avg Latency
 ■ Max Latency

■ Min Jitter
 ■ Avg Jitter
 ■ Max Jitter

Frame Size (bytes)	Intended Load (%)	Offered Load (%)	Min Frame Loss (%)	Min Latency (uSec)	Avg Latency (uSec)	Max Latency (uSec)	Min Jitter (uSec)	Avg Jitter (uSec)	Max Jitter (uSec)
68	10	10	0	4.66	7.403	185	0	0	0
68	55	55	44.9654077025879	9.88	334.879	458.99	0	0	0
68	32.5	32.5	6.84311208950498	12.92	323.506	413.23	0	0	0
68	21.25	21.25	0	6.69	13.932	116.22	0	0	0
68	26.875	26.875	0.000418688976627393	7.56	30.647	463.92	0	0	0

68	24.063	24.063	0	9.63	18.715	220.87	0	0	0
68	25.469	25.469	0.0000001151738178843	9.8	23.198	219.97	0	0	0
68	24.766	24.766	0.0000001184437364773	8.4	20.514	211.09	0	0	0
128	10	10	0	4.23	6.418	29.45	0	0	0
128	55	55	8.49667653186192	6.66	308.191	373.67	0	0	0
128	32.5	32.5	0	7.77	12.945	185.9	0	0	0
128	43.75	43.75	0	9.08	28.997	237.53	0	0	0
128	49.375	49.375	0.000611883139864224	9.19	91.056	374.57	0	0	0
128	46.563	46.563	0	9.4	55.84	262.74	0	0	0
128	47.969	47.969	0.0000133698139746298	7.73	77.06	351.24	0	0	0
128	47.266	47.266	0.0000389317448190584	10.99	65.101	370.13	0	0	0
256	10	10	0	4.04	6.059	25.19	0	0	0
256	55	55	0	8.6	12.601	94.78	0	0	0
256	77.5	77.5	0.0000002374193470452	8.05	29.624	263.99	0	0	0
256	66.25	66.25	0.0000002777358304095	10.78	17.491	174.25	0	0	0
256	60.625	60.625	0.0000001517525753171	9.91	14.938	177.14	0	0	0
256	57.813	57.813	0	7.52	13.901	95.26	0	0	0
256	59.219	59.219	0	8.59	14.366	154.3	0	0	0
256	59.922	59.922	0.0000001535332398758	8.57	14.626	158.53	0	0	0
512	10	10	0	3.24	4.554	20.6	0	0	0
512	55	55	0.0000003224242298868	6.13	8.794	33.83	0	0	0
512	32.5	32.5	0	4.97	6.967	28.57	0	0	0
512	43.75	43.75	0	5.47	7.678	29.63	0	0	0
512	49.375	49.375	0	5.67	8.178	33.08	0	0	0
512	52.188	52.188	0	5.93	8.406	31.85	0	0	0
512	53.594	53.594	0	5.88	8.618	32.32	0	0	0
512	54.297	54.297	0	6.1	8.718	33.07	0	0	0
1024	10	10	0	3.55	4.85	17.25	0	0	0

1024	55	55	0	5.23	7.494	26.41	0	0	0
1024	77.5	77.5	0	5.96	8.798	100.84	0	0	0
1024	88.75	88.75	0	6.58	9.618	51.49	0	0	0
1024	94.375	94.375	0	6.91	10.415	35.1	0	0	0
1024	97.188	97.188	0.0000003580707309432	7.41	11.188	36.04	0	0	0
1024	95.781	95.781	0	5.84	10.68	60.53	0	0	0
1024	96.484	96.484	0	6.44	10.882	35.41	0	0	0
1280	10	10	0	3.73	5.029	17.37	0	0	0
1280	55	55	0	5.45	7.283	28.85	0	0	0
1280	77.5	77.5	0	6.21	8.408	32.17	0	0	0
1280	88.75	88.75	0	6.7	9.172	31.31	0	0	0
1280	94.375	94.375	0	6.66	9.876	83.59	0	0	0
1280	97.188	97.188	0	7.75	10.448	33.7	0	0	0
1280	98.594	98.594	0	5.62	11.145	34.5	0	0	0
1280	99.297	99.297	0	8	12.145	49.88	0	0	0
1280	100	100	0	6.77	104.966	183.65	0	0	0
1518	10	10	0	3.83	5.184	18.62	0	0	0
1518	55	55	0	5.46	7.373	25.71	0	0	0
1518	77.5	77.5	0	5.9	8.255	55.54	0	0	0
1518	88.75	88.75	0	6.68	8.965	32.98	0	0	0
1518	94.375	94.375	0	5.99	9.493	32.79	0	0	0
1518	97.188	97.188	0	7.72	10.069	33.91	0	0	0
1518	98.594	98.594	0	7	10.681	34.51	0	0	0
1518	99.297	99.297	0	6.89	11.628	31.98	0	0	0
1518	100	100	0	8.49	105.367	186.29	0	0	0



Throughput by Trial

Traffic Duration : 60 Seconds

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Custom Frame Size(bytes) : {68 128 256 512 1024 1280 1518}

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Trial	Frame Size (bytes)	Result	Intended Load (%)	Offered Load (%)	Throughput (%)	Port Name	Throughput (fps)	Theoretical Max Throughput (fps)	Throughput (Mbps)	Theoretical Max Throughput (Mbps)	Frame Loss (%)	Max Latency Threshold Exceeded	Out of Sequence Threshold Exceeded
1	68	Passed	24.063	24.063	24.063		13671876	56818181	9625.001	40000	0	False	False
						Port //2/1	3417969	14204545	2406.25	10000			
						Port //2/2	3417969	14204545	2406.25	10000			
						Port //2/3	3417969	14204545	2406.25	10000			
						Port //2/4	3417969	14204545	2406.25	10000			
1	128	Passed	46.563	46.563	46.563		15730574	33783783	18625	40000	0	False	False
						Port //2/1	3932643	8445945	4656.25	10000			
						Port //2/2	3932643	8445945	4656.25	10000			
						Port //2/3	3932643	8445945	4656.25	10000			
						Port //2/4	3932643	8445945	4656.25	10000			
1	256	Passed	59.219	59.219	59.219		10728034	18115942	23687.501	40000	0	False	False
						Port //2/1	2682008	4528985	5921.875	10000			
						Port //2/2	2682008	4528985	5921.875	10000			
						Port //2/3	2682008	4528985	5921.875	10000			
						Port //2/4	2682008	4528985	5921.875	10000			

1	512	Passed	54.297	54.297	54.297		5103090	9398496	21718.751	40000	0	False	False
						Port //2/1	1275772	2349624	5429.688	10000			
						Port //2/2	1275772	2349624	5429.688	10000			
						Port //2/3	1275772	2349624	5429.688	10000			
						Port //2/4	1275772	2349624	5429.688	10000			
1	1024	Passed	96.484	96.484	96.484		4620899	4789272	38593.754	40000	0	False	False
						Port //2/1	1155224	1197318	9648.439	10000			
						Port //2/2	1155224	1197318	9648.439	10000			
						Port //2/3	1155224	1197318	9648.439	10000			
						Port //2/4	1155224	1197318	9648.439	10000			
1	1280	Passed	100	100	100		3846153	3846153	40000	40000	0	False	False
						Port //2/1	961538	961538	10000	10000			
						Port //2/2	961538	961538	10000	10000			
						Port //2/3	961538	961538	10000	10000			
						Port //2/4	961538	961538	10000	10000			
1	1518	Passed	100	100	100		3250975	3250975	40000.001	40000	0	False	False
						Port //2/1	812743	812743	10000	10000			
						Port //2/2	812743	812743	10000	10000			
						Port //2/3	812743	812743	10000	10000			
						Port //2/4	812743	812743	10000	10000			



Frame sizes for iMIX Distributions

Note: Imix Distributions are only available for the 'iMIX' Frame Size Type

iMIX Distribution	Frame Length Mode	IP Total Length	Default Ethernet	POS Length	Weight	Percentage (%)
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Theoretical Maximum Frame Rates



Media Type	Line Speed (Mbps)	64 Byte	128 Byte	256 Byte	512 Byte	1024 Byte	1280 Byte	1518 Byte
Ethernet	10	14,880	8,445	4,528	2,349	1,197	961	812
Ethernet	100	148,809	84,459	45,289	23,496	11,973	9,615	8,127
Gigabit Ethernet	1,000	1,488,095	844,594	452,898	234,962	119,731	96,153	81,274
2.5 Gigabit Ethernet	2,500	3,720,238	2,111,486	1,132,246	587,406	299,329	240,384	202,922
5 Gigabit Ethernet	5,000	7,440,476	4,222,972	2,264,492	1,174,812	598,659	480,769	406,371
10 Gigabit Ethernet	10,000	14,880,952	8,445,945	4,528,985	2,349,624	1,197,318	961,538	812,743
25 Gigabit Ethernet	25,000	37,202,380	21,114,864	11,322,463	5,874,060	2,993,295	2,403,846	2,029,220
40 Gigabit Ethernet	40,000	59,523,809	33,783,783	18,115,942	9,398,496	4,789,272	3,846,153	3,250,975
50 Gigabit Ethernet	50,000	74,404,761	42,229,729	22,644,927	11,748,120	5,986,590	4,807,692	4,063,719
100 Gigabit Ethernet	100,000	148,809,523	84,459,459	45,289,855	23,496,240	11,973,180	9,615,384	8,127,438
POS (OC-3)	155	288,000	145,116	72,840	36,491	18,263	14,613	12,323
POS (OC-12)	622	1,152,000	580,465	291,361	145,964	73,053	58,622	49,413
POS (OC-48)	2,448	4,608,000	2,321,860	1,165,447	583,859	292,214	233,817	197,182
POS (OC-192)	9,953	18,432,000	9,287,441	4,661,789	2,335,438	1,168,858	935,269	788,729
ATM (OC-3)	155	176,603	117,735	58,867	32,109	16,054	13,082	11,037
ATM (OC-12)	622	706,412	470,940	235,468	122,810	64,216	52,578	44,148

Template Version: R2C

RunTime Start Data Set ID: 1

RunTime End Data Set ID: 2147483647

RR Template Saved Timestamp: Wed Aug 31 19:04:04.798 PDT 2011



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