



Spirent TestCenter Report

Test Type: RFC2544 Throughput Test

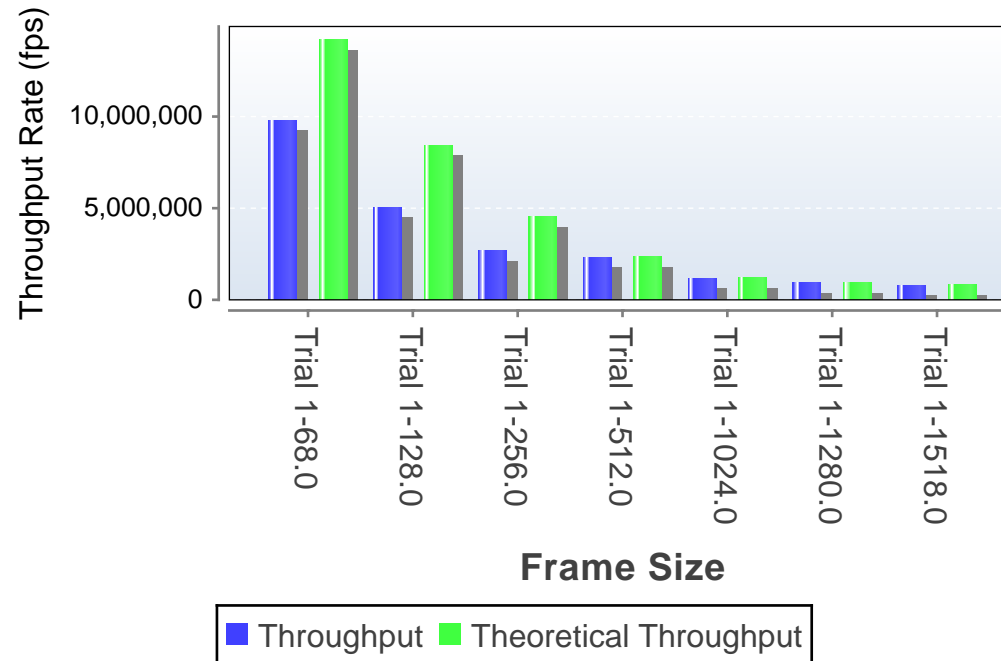
Counter Mode: Jitter

Test Date: 2019-02-26 14:31:15 CST





Throughput by Frame Size VS Theoretical Max

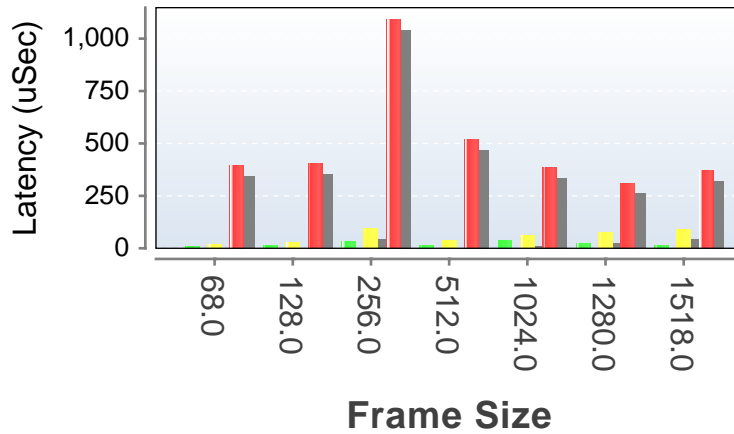


Total Trials	Number of Passed Trials	Frame Size (bytes)	Intended Load (%)	Offered Load (%)	Throughput (%)	Aggregated Throughput (fps)	Aggregated Theoretical Max (fps)	Aggregated Throughput (Mbps)
1	1	68	69.063	69.063	69.063	9810014	14204545	6906.25
1	1	128	59.922	59.922	59.922	5060969	8445945	5992.188
1	1	256	59.219	59.219	59.219	2682008	4528985	5921.875
1	1	512	99.297	99.297	99.297	2333103	2349624	9929.688
1	1	1024	99.297	99.297	99.297	1188899	1197318	9929.688
1	1	1280	99.297	99.297	99.297	954777	961538	9929.688
1	1	1518	99.297	99.297	99.297	807029	812743	9929.688

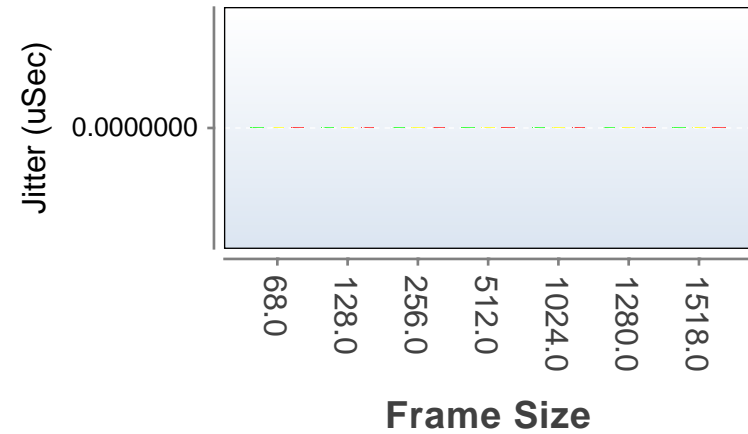
[illegible]



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	2.93	25.953	315.89	0	0	0
68	55	55	0	6.75	10.676	321.56	0	0	0
68	77.5	77.5	3.07055707006558	10.75	379.9	685.32	0	0	0
68	66.25	66.25	0	7.8	13.201	400.49	0	0	0
68	71.875	71.875	0.00160797670325479	12.88	30.82	509.45	0	0	0

68	69.063	69.063	0	8.18	19.171	393.78	0	0	0
68	70.469	70.469	0.0012730900420855	8.52	22.656	474.94	0	0	0
68	69.766	69.766	0.0000057181930661275	8.27	20.349	431.2	0	0	0
128	10	10	0	4.27	39.131	373.93	0	0	0
128	55	55	0	12.93	17.898	343.54	0	0	0
128	77.5	77.5	19.8621096329527	16.03	775.275	1143.14	0	0	0
128	66.25	66.25	3.26583935066668	18.56	740.947	1102.27	0	0	0
128	60.625	60.625	0.0000208318897484734	14.19	32.551	502.8	0	0	0
128	57.813	57.813	0	13.53	19.915	415.53	0	0	0
128	59.219	59.219	0	13.63	22.876	433.07	0	0	0
128	59.922	59.922	0	13.76	28.72	404.53	0	0	0
256	10	10	0	11.63	61.594	608.51	0	0	0
256	55	55	0	24.83	33.431	431.14	0	0	0
256	77.5	77.5	22.5879309024039	25.36	1493.913	1914.97	0	0	0
256	66.25	66.25	12.6459061577511	28.12	1547.641	1912.8	0	0	0
256	60.625	60.625	1.11957222770049	29.86	1481.26	1849.32	0	0	0
256	57.813	57.813	0	15.36	42.082	606.4	0	0	0
256	59.219	59.219	0	30.52	92.631	1093.08	0	0	0
256	59.922	59.922	0.599581693160762	30.68	1481.059	1945.93	0	0	0
512	10	10	0	12.2	57.679	324.03	0	0	0
512	55	55	0	17.8	41.347	308.71	0	0	0
512	77.5	77.5	0	25.67	33.012	276.45	0	0	0
512	88.75	88.75	0	27.26	32.218	298.8	0	0	0
512	94.375	94.375	0	28.48	31.524	349.59	0	0	0
512	97.188	97.188	0	8.87	31.698	292.61	0	0	0
512	98.594	98.594	0	29.69	32.685	278.84	0	0	0
512	99.297	99.297	0	11.14	35.072	520.26	0	0	0
512	100	100	0.0487709225314086	33.8	1567.789	1751.48	0	0	0

1024	10	10	0	11.73	57.454	423.08	0	0	0
1024	55	55	0	30.06	77.449	382.76	0	0	0
1024	77.5	77.5	0	19.38	60.691	337.1	0	0	0
1024	88.75	88.75	0	49.96	58.002	282.89	0	0	0
1024	94.375	94.375	0	53.28	57.492	405.45	0	0	0
1024	97.188	97.188	0	54.79	57.644	309.63	0	0	0
1024	98.594	98.594	0	43.68	58.277	320.15	0	0	0
1024	99.297	99.297	0	39.05	59.679	386.87	0	0	0
1024	100	100	0.0925833113037735	6.75	3241.163	3453.52	0	0	0
1280	10	10	0	12.1	57.63	349.59	0	0	0
1280	55	55	0	23.46	81.263	354.53	0	0	0
1280	77.5	77.5	0	51.79	79.225	331.55	0	0	0
1280	88.75	88.75	0	19.28	73.063	393.85	0	0	0
1280	94.375	94.375	0	31.03	71.937	528.92	0	0	0
1280	97.188	97.188	0	68.13	72.14	360.38	0	0	0
1280	98.594	98.594	0	68.79	75.623	1753.58	0	0	0
1280	99.297	99.297	0	20.49	77.078	311.24	0	0	0
1280	100	100	0.0848674662140402	31.94	4047.06	4263.65	0	0	0
1518	10	10	0	12.72	57.723	432.17	0	0	0
1518	55	55	0	14.05	81.254	315.74	0	0	0
1518	77.5	77.5	0	65.18	93.284	340.04	0	0	0
1518	88.75	88.75	0	47.63	88.502	622.09	0	0	0
1518	94.375	94.375	0	9.58	85.807	298.52	0	0	0
1518	97.188	97.188	0	46.32	84.288	360.08	0	0	0
1518	98.594	98.594	0	39.46	85.016	317.12	0	0	0
1518	99.297	99.297	0	14.55	91.85	371.4	0	0	0
1518	100	100	0.0766518683726299	41.96	4742.754	5067.29	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	69.063	69.063	69.063		9810014	14204545	6906.25	10000	0	False	False
						Port //2/1	9810014	14204545	6906.25	10000			
1	128	Passed	59.922	59.922	59.922		5060969	8445945	5992.188	10000	0	False	False
						Port //2/1	5060969	8445945	5992.188	10000			
1	256	Passed	59.219	59.219	59.219		2682008	4528985	5921.875	10000	0	False	False
						Port //2/1	2682008	4528985	5921.875	10000			
1	512	Passed	99.297	99.297	99.297		2333103	2349624	9929.688	10000	0	False	False
						Port //2/1	2333103	2349624	9929.688	10000			
1	1024	Passed	99.297	99.297	99.297		1188899	1197318	9929.688	10000	0	False	False
						Port //2/1	1188899	1197318	9929.688	10000			
1	1280	Passed	99.297	99.297	99.297		954777	961538	9929.688	10000	0	False	False
						Port //2/1	954777	961538	9929.688	10000			
1	1518	Passed	99.297	99.297	99.297		807029	812743	9929.688	10000	0	False	False
						Port //2/1	807029	812743	9929.688	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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