



# Spirent TestCenter Report

Test Type: RFC2544 Throughput Test

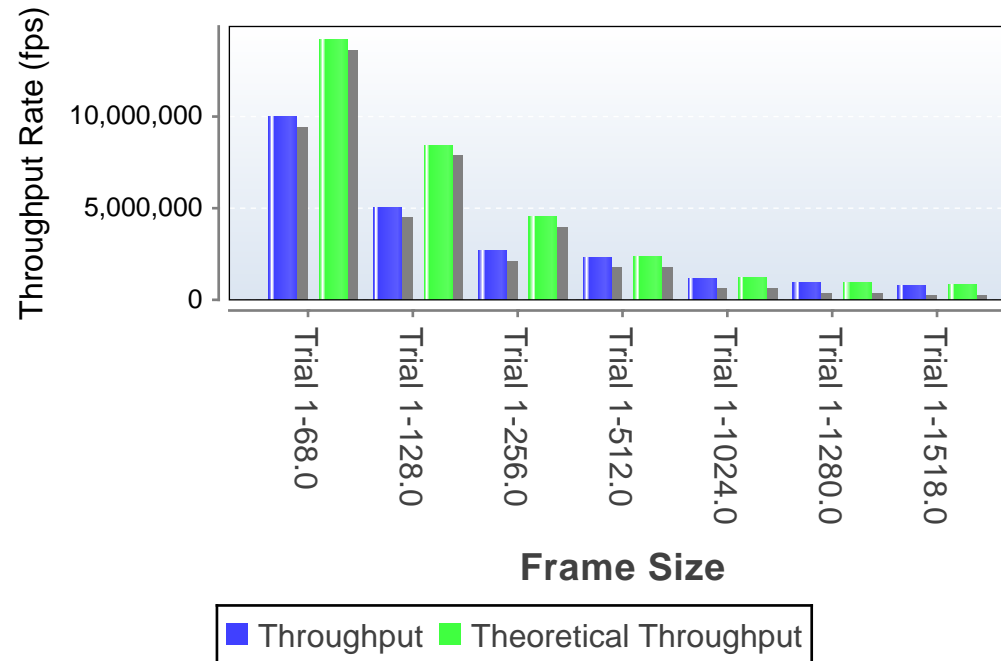
Counter Mode: Jitter

Test Date: 2019-02-26 16:36:03 CST





## Throughput by Frame Size VS Theoretical Max

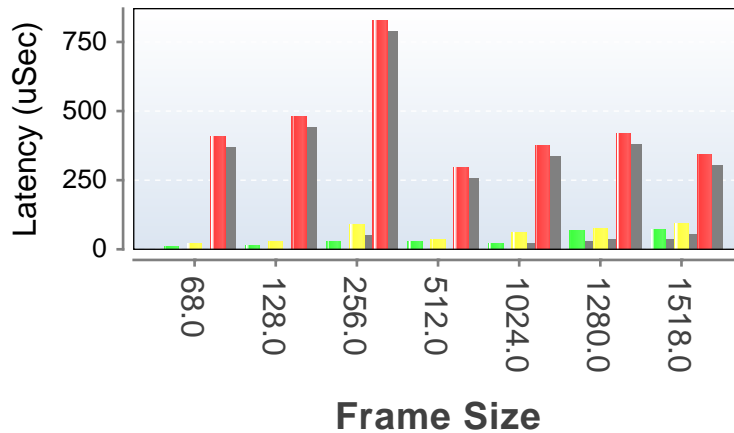


Total Trials	Number of Passed Trials	Frame Size (bytes)	Intended Load (%)	Offered Load (%)	Throughput (%)	Aggregated Throughput (fps)	Aggregated Theoretical Max (fps)	Aggregated Throughput (Mbps)
1	1	68	70.469	70.469	70.469	10009765	14204545	7046.875
1	1	128	59.922	59.922	59.922	5060969	8445945	5992.188
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

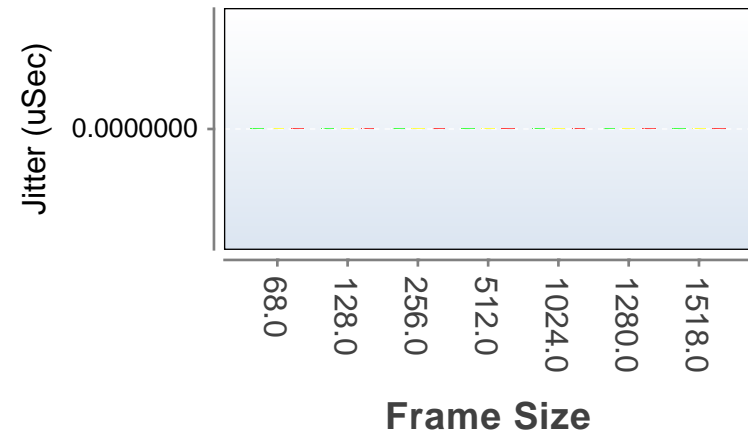
[illegible]



### Latency by Frame size at Throughput



### Jitter by Frame size at Throughput



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	2.97	25.99	272.06	0	0	0
68	55	55	0	6.81	10.638	283.55	0	0	0
68	77.5	77.5	3.12624982705824	20.76	380.251	642.12	0	0	0
68	66.25	66.25	0	7.79	13.244	454.09	0	0	0
68	71.875	71.875	0.00023360554947793	13.73	29.671	431.69	0	0	0

68	69.063	69.063	0	8.27	18.757	346.77	0	0	0
68	70.469	70.469	0	11.14	21.868	409.24	0	0	0
68	71.172	71.172	0.000926837975427656	10.16	25.794	488.87	0	0	0
128	10	10	0	4.26	39.142	400.12	0	0	0
128	55	55	0	12.93	17.901	307.83	0	0	0
128	77.5	77.5	19.9095241209043	16.39	775.75	1075.44	0	0	0
128	66.25	66.25	3.25820277455534	17.75	740.521	1014.5	0	0	0
128	60.625	60.625	0.000072911614119657	14.19	32.248	559.42	0	0	0
128	57.813	57.813	0	8.75	19.898	411.42	0	0	0
128	59.219	59.219	0	13.74	22.781	368.87	0	0	0
128	59.922	59.922	0	13.85	28.865	481.37	0	0	0
256	10	10	0	12.55	61.601	402.27	0	0	0
256	55	55	0	6.06	33.329	480.32	0	0	0
256	77.5	77.5	22.5574813963067	25.33	1493.316	1871.98	0	0	0
256	66.25	66.25	12.6655370817161	28.1	1548.198	1946.74	0	0	0
256	60.625	60.625	1.04893201090069	5.11	1479.899	1882.97	0	0	0
256	57.813	57.813	0	26.23	41.087	406.08	0	0	0
256	59.219	59.219	0	29.95	90.45	829.02	0	0	0
256	59.922	59.922	0.600730735927992	30.22	1489.281	1886.21	0	0	0
512	10	10	0	11.67	57.677	449.64	0	0	0
512	55	55	0	18.8	41.341	266.81	0	0	0
512	77.5	77.5	0	21.35	33.001	394.15	0	0	0
512	88.75	88.75	0	27.15	32.237	395.89	0	0	0
512	94.375	94.375	0	28.45	31.493	291.59	0	0	0
512	97.188	97.188	0	29.42	31.726	321.68	0	0	0
512	98.594	98.594	0	6.87	32.515	286.37	0	0	0
512	99.297	99.297	0	29.93	34.652	296.32	0	0	0
512	100	100	0.0476225118679269	32.42	1571.008	1775.55	0	0	0

1024	10	10	0	11.76	57.443	341.71	0	0	0
1024	55	55	0	10.27	77.452	319.57	0	0	0
1024	77.5	77.5	0	35.6	60.66	321.58	0	0	0
1024	88.75	88.75	0	39.16	57.995	304.48	0	0	0
1024	94.375	94.375	0	53.31	57.45	282.04	0	0	0
1024	97.188	97.188	0	54.82	57.609	419.1	0	0	0
1024	98.594	98.594	0	55.51	58.21	320.84	0	0	0
1024	99.297	99.297	0	22.34	59.553	375.8	0	0	0
1024	100	100	0.0835339193718249	58.62	3246.27	3467.98	0	0	0
1280	10	10	0	12.1	57.636	453.56	0	0	0
1280	55	55	0	5.97	81.269	350.28	0	0	0
1280	77.5	77.5	0	24.75	79.296	321.82	0	0	0
1280	88.75	88.75	0	34.67	72.936	530.81	0	0	0
1280	94.375	94.375	0	37.97	71.722	310.63	0	0	0
1280	97.188	97.188	0	23.41	71.978	428.39	0	0	0
1280	98.594	98.594	0	68.75	73.187	355.12	0	0	0
1280	99.297	99.297	0	69.04	76.481	417.66	0	0	0
1280	100	100	0.0824009328938617	10.36	4031.693	4263.78	0	0	0
1518	10	10	0	12.71	57.717	339.23	0	0	0
1518	55	55	0	32.86	81.264	352.68	0	0	0
1518	77.5	77.5	0	29.24	93.3	501.6	0	0	0
1518	88.75	88.75	0	77.55	88.663	401.28	0	0	0
1518	94.375	94.375	0	34.59	85.747	344.86	0	0	0
1518	97.188	97.188	0	67.23	84.314	411.86	0	0	0
1518	98.594	98.594	0	14.97	85.06	385.37	0	0	0
1518	99.297	99.297	0	73.34	92.097	344.12	0	0	0
1518	100	100	0.0788809430113589	48.93	4769.774	5062.49	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	70.469	70.469	70.469		10009765	14204545	7046.875	10000	0	False	False
						Port //2/1	10009765	14204545	7046.875	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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