



Spirent TestCenter Report

Test Type: RFC2544 Throughput Test

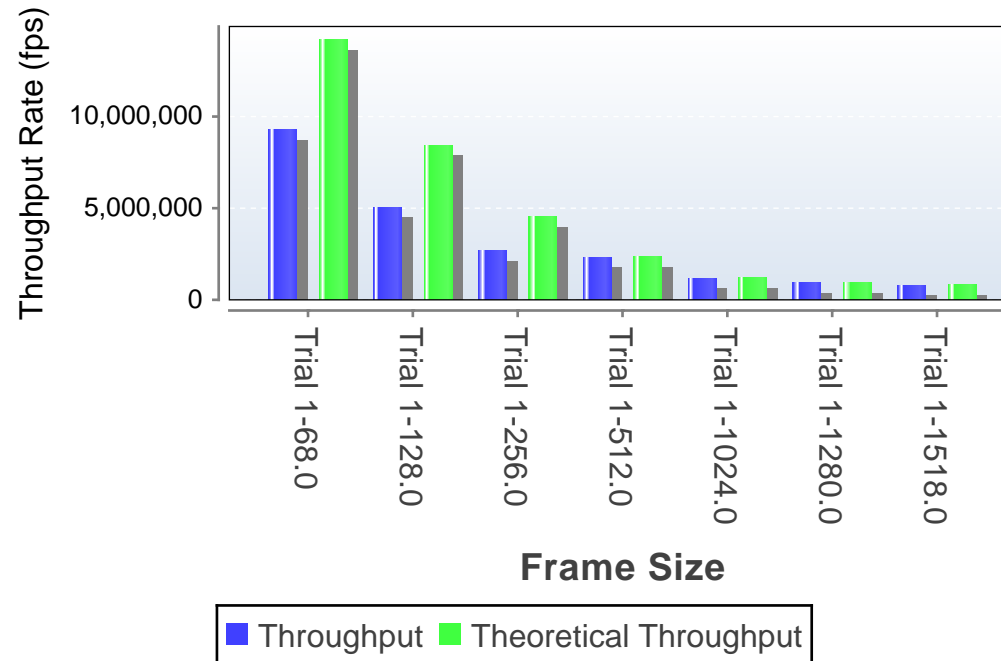
Counter Mode: Jitter

Test Date: 2019-02-27 10:59:13 CST





Throughput by Frame Size VS Theoretical Max

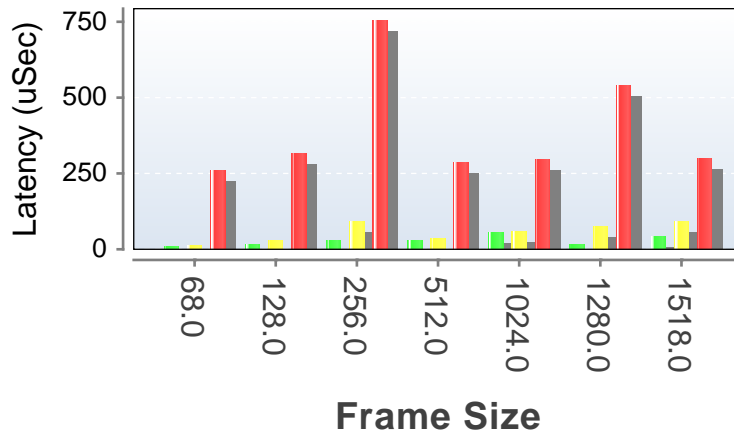


Total Trials	Number of Passed Trials	Frame Size (bytes)	Intended Load (%)	Offered Load (%)	Throughput (%)	Aggregated Throughput (fps)	Aggregated Theoretical Max (fps)	Aggregated Throughput (Mbps)
1	1	68	65.547	65.547	65.547	9310635	14204545	6554.688
1	1	128	59.922	59.922	59.922	5060969	8445945	5992.188
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

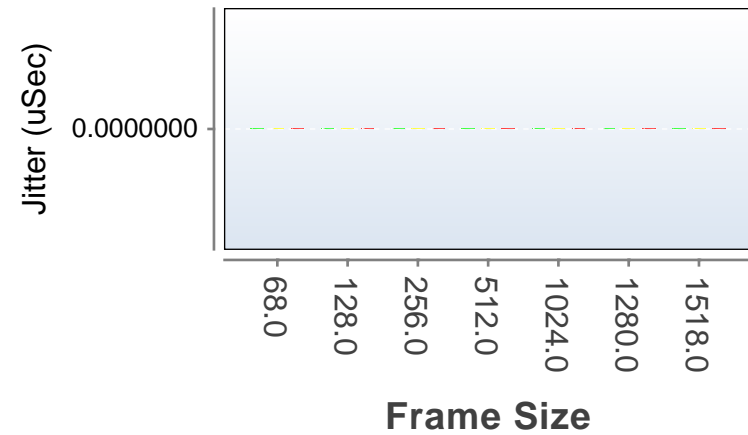
[illegible]



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	2.96	25.997	315.92	0	0	0
68	55	55	0	6.79	10.817	288.54	0	0	0
68	77.5	77.5	3.68870417530911	12.91	382.261	713.4	0	0	0
68	66.25	66.25	0.0337184984682325	7.17	15.8	12044	0	0	0
68	60.625	60.625	0	7.63	11.236	263.9	0	0	0

68	63.438	63.438	0	7.76	11.42	280.25	0	0	0
68	64.844	64.844	0	7.99	11.907	341.86	0	0	0
68	65.547	65.547	0	8.08	12.355	260.03	0	0	0
128	10	10	0	4.21	39.532	314.1	0	0	0
128	55	55	0	13.23	17.985	336.41	0	0	0
128	77.5	77.5	19.8247372470467	16.64	774.89	1054.82	0	0	0
128	66.25	66.25	3.25789448778276	18.05	742.705	1018.35	0	0	0
128	60.625	60.625	0.0000097649483195969	14.59	31.771	298.85	0	0	0
128	57.813	57.813	0	13.9	19.661	303.25	0	0	0
128	59.219	59.219	0	14.12	22.413	302.21	0	0	0
128	59.922	59.922	0	14.21	28.748	316.65	0	0	0
256	10	10	0	6.37	61.903	325.56	0	0	0
256	55	55	0	25.67	33.122	322.18	0	0	0
256	77.5	77.5	22.4923601184443	25.64	1492.008	1848.14	0	0	0
256	66.25	66.25	12.7125188747882	17.96	1549.549	1879.77	0	0	0
256	60.625	60.625	1.14241402533722	29.67	1481.665	1781.29	0	0	0
256	57.813	57.813	0	26.6	39.304	471.21	0	0	0
256	59.219	59.219	0	30.48	90.147	755.5	0	0	0
256	59.922	59.922	0.579050614191609	30.57	1481.855	1789.47	0	0	0
512	10	10	0	12.23	57.691	342.5	0	0	0
512	55	55	0	18.04	41.356	305.18	0	0	0
512	77.5	77.5	0	11.41	33.038	535.49	0	0	0
512	88.75	88.75	0	27.28	32.265	296.37	0	0	0
512	94.375	94.375	0	28.74	31.512	272.08	0	0	0
512	97.188	97.188	0	29.42	31.613	275.39	0	0	0
512	98.594	98.594	0	29.77	32.383	269.22	0	0	0
512	99.297	99.297	0	29.93	34.245	285.38	0	0	0
512	100	100	0.03798196256133	30.18	1585.021	1748.38	0	0	0

1024	10	10	0	11.75	57.464	359.16	0	0	0
1024	55	55	0	34.68	77.496	327.3	0	0	0
1024	77.5	77.5	0	30.21	60.66	339.86	0	0	0
1024	88.75	88.75	0	35.3	58.005	348.53	0	0	0
1024	94.375	94.375	0	53.32	57.47	321.58	0	0	0
1024	97.188	97.188	0	19.07	57.563	287.49	0	0	0
1024	98.594	98.594	0	55.51	58.098	286.92	0	0	0
1024	99.297	99.297	0	55.83	59.479	294.86	0	0	0
1024	100	100	0.0724716954550129	58.58	3233.311	3454.07	0	0	0
1280	10	10	0	12.07	57.643	312.96	0	0	0
1280	55	55	0	49.14	81.296	359.61	0	0	0
1280	77.5	77.5	0	59.39	79.173	348.65	0	0	0
1280	88.75	88.75	0	10.36	72.956	336.21	0	0	0
1280	94.375	94.375	0	34.88	71.812	287.63	0	0	0
1280	97.188	97.188	0	68.21	71.904	301.27	0	0	0
1280	98.594	98.594	0	68.92	72.84	336.54	0	0	0
1280	99.297	99.297	0	14.74	76.295	540.63	0	0	0
1280	100	100	0.0712746662865351	63.26	4012.281	4251.14	0	0	0
1518	10	10	0	7.27	57.718	350.52	0	0	0
1518	55	55	0	19.86	81.266	284.25	0	0	0
1518	77.5	77.5	0	61.15	93.304	333.09	0	0	0
1518	88.75	88.75	0	41.23	89.019	349.06	0	0	0
1518	94.375	94.375	0	79.66	85.107	305.57	0	0	0
1518	97.188	97.188	0	8.7	84.005	339.29	0	0	0
1518	98.594	98.594	0	81.24	84.739	331.88	0	0	0
1518	99.297	99.297	0	41.56	90.283	298.18	0	0	0
1518	100	100	0.0726141057565699	87.2	4735.59	5058.88	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	65.547	65.547	65.547		9310635	14204545	6554.688	10000	0	False	False
						Port //2/1	9310635	14204545	6554.688	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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