



Spirent TestCenter Report

Test Type: RFC2544 Throughput Test

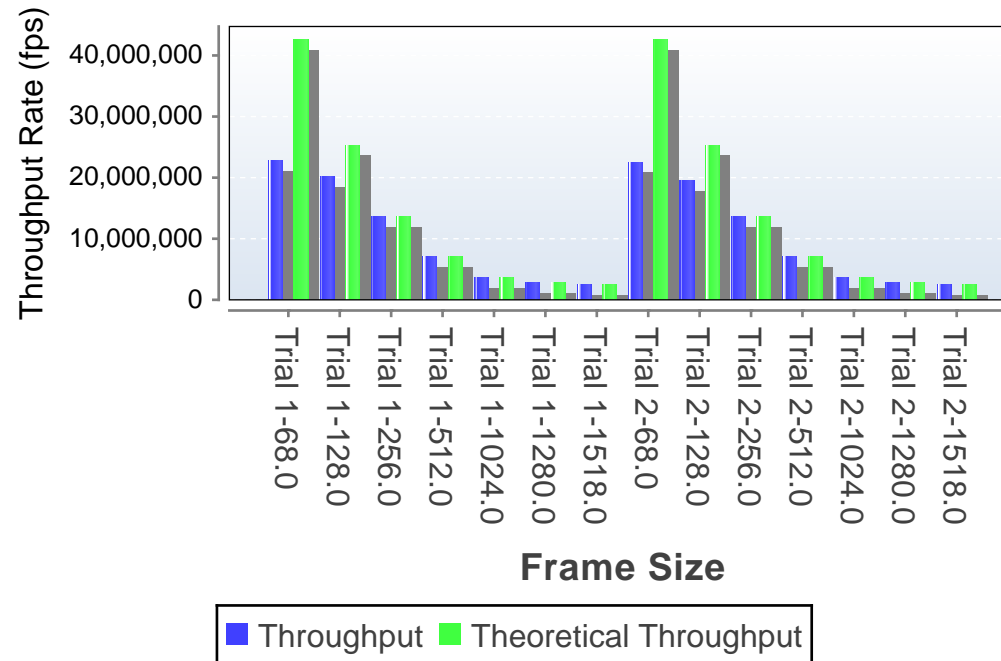
Counter Mode: Jitter

Test Date: 2019-03-25 15:10:54 CST





Throughput by Frame Size VS Theoretical Max

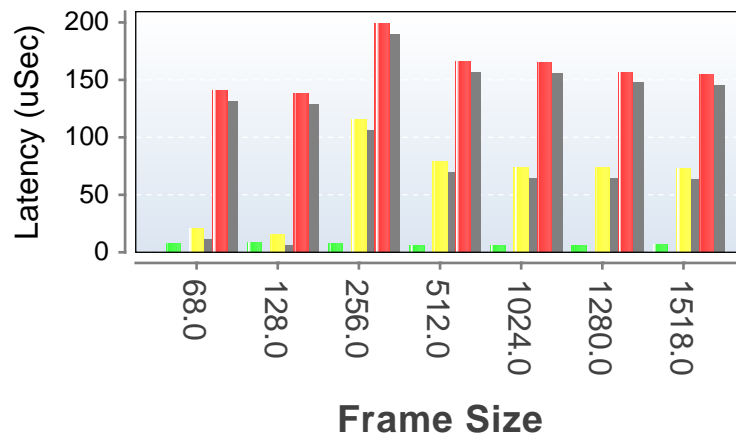


Total Trials	Number of Passed Trials	Frame Size (bytes)	Intended Load (%)	Offered Load (%)	Throughput (%)	Aggregated Throughput (fps)	Aggregated Theoretical Max (fps)	Aggregated Throughput (Mbps)
2	2	68	53.594	53.594	53.594	22838246	42613636	16078.125
2	2	128	79.609	79.609	79.609	20171294	25337837	23882.813
2	2	256	100	100	100	13586956	13586956	30000
2	2	512	100	100	100	7048872	7048872	30000
2	2	1024	100	100	100	3591954	3591954	30000
2	2	1280	100	100	100	2884615	2884615	30000
2	2	1518	100	100	100	2438231	2438231	30000

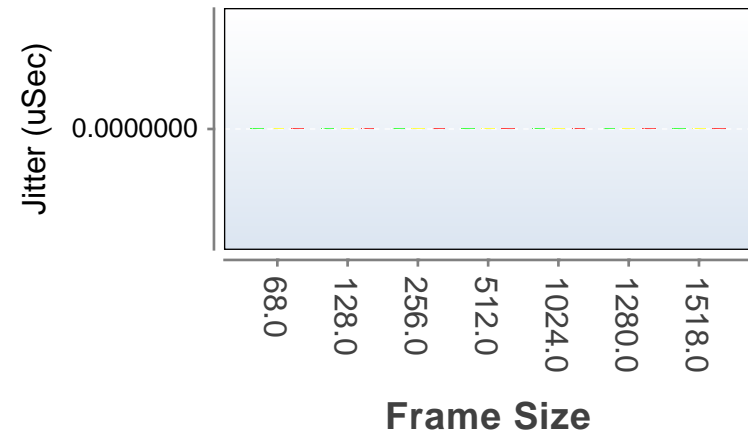
[illegible]



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	3.12	4.363	363.92	0	0	0
68	55	55	0.0000125866662101902	9.03	25.095	207.46	0	0	0
68	32.5	32.5	0	4.33	6.572	82.07	0	0	0
68	43.75	43.75	0	5.84	9.86	107.23	0	0	0
68	49.375	49.375	0	7.29	13.673	136.13	0	0	0

68	52.188	52.188	0	7.23	17.319	132.11	0	0	0
68	53.594	53.594	0	7.44	20.809	141.14	0	0	0
68	54.297	54.297	0.0000011525115418791	8.42	22.666	137.05	0	0	0
68	52.891	52.891	0	8.44	18.392	120.36	0	0	0
128	10	10	0	3.14	4.22	45.1	0	0	0
128	55	55	0	4.95	7.422	80.79	0	0	0
128	77.5	77.5	0	5.7	14.286	135.1	0	0	0
128	88.75	88.75	0.0182678401872001	8.39	45.221	206.84	0	0	0
128	83.125	83.125	0.0000313359382914661	8.37	19.184	148.65	0	0	0
128	80.313	80.313	0.000001310436614916	8.81	16.245	139.17	0	0	0
128	78.906	78.906	0	7.23	15.225	138.05	0	0	0
128	79.609	79.609	0	8.55	15.71	137.92	0	0	0
128	66.25	66.25	0	6.12	9.904	111.87	0	0	0
128	71.875	71.875	0	6.77	11.556	117.88	0	0	0
128	74.688	74.688	0	7.38	12.756	89.01	0	0	0
128	76.094	76.094	0	7.54	13.498	148.13	0	0	0
128	76.797	76.797	0	8.01	13.871	143.03	0	0	0
256	10	10	0	3.05	3.398	44.6	0	0	0
256	55	55	0	3.95	5.512	61.89	0	0	0
256	77.5	77.5	0	4.78	6.724	114.48	0	0	0
256	88.75	88.75	0	5.46	7.909	86.86	0	0	0
256	94.375	94.375	0	6.02	8.703	80.95	0	0	0
256	97.188	97.188	0	6.63	9.484	124.87	0	0	0
256	98.594	98.594	0	5.64	10.37	85.86	0	0	0
256	99.297	99.297	0	7.14	11.52	85.03	0	0	0
256	100	100	0	7.56	115.246	199.4	0	0	0
512	10	10	0	3.16	3.497	64.38	0	0	0
512	55	55	0	3.64	4.899	54.21	0	0	0

512	77.5	77.5	0	4.1	5.417	60.77	0	0	0
512	88.75	88.75	0	4.35	5.873	101.73	0	0	0
512	94.375	94.375	0	4.53	6.268	59.57	0	0	0
512	97.188	97.188	0	5.02	6.655	59.72	0	0	0
512	98.594	98.594	0	5.29	7.133	62.33	0	0	0
512	99.297	99.297	0	5.55	7.788	102.17	0	0	0
512	100	100	0	6.24	79.01	165.61	0	0	0
1024	10	10	0	3.39	3.813	40.86	0	0	0
1024	55	55	0	3.32	4.733	48.05	0	0	0
1024	77.5	77.5	0	3.92	5.064	53.12	0	0	0
1024	88.75	88.75	0	4.11	5.304	82.24	0	0	0
1024	94.375	94.375	0	4.3	5.681	53.79	0	0	0
1024	97.188	97.188	0	4.41	6.05	82.02	0	0	0
1024	98.594	98.594	0	4.58	6.405	81.97	0	0	0
1024	99.297	99.297	0	4.97	6.926	52.17	0	0	0
1024	100	100	0	5.57	73.749	165.2	0	0	0
1280	10	10	0	3.52	3.982	36.51	0	0	0
1280	55	55	0	3.37	4.005	72.31	0	0	0
1280	77.5	77.5	0	3.9	5.162	62.39	0	0	0
1280	88.75	88.75	0	4.32	5.374	79.07	0	0	0
1280	94.375	94.375	0	4.47	5.632	79.27	0	0	0
1280	97.188	97.188	0	4.61	5.87	52.03	0	0	0
1280	98.594	98.594	0	4.81	6.223	49.74	0	0	0
1280	99.297	99.297	0	5.03	6.723	83.03	0	0	0
1280	100	100	0	6.1	73.547	156.83	0	0	0
1518	10	10	0	3.63	4.14	34.64	0	0	0
1518	55	55	0	3.56	4.109	42.29	0	0	0
1518	77.5	77.5	0	3.49	5.108	51.35	0	0	0

1518	88.75	88.75	0	4.08	5.473	79.38	0	0	0
1518	94.375	94.375	0	4.54	5.736	45.14	0	0	0
1518	97.188	97.188	0	4.8	5.997	79.75	0	0	0
1518	98.594	98.594	0	4.93	6.312	50.24	0	0	0
1518	99.297	99.297	0	5.13	6.768	83.19	0	0	0
1518	100	100	0	6.65	72.483	154.73	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	53.594	53.594	53.594		22838246	42613636	16078.125	30000	0	False	False
						Port //2/1	7612748	14204545	5359.375	10000			
						Port //2/2	7612748	14204545	5359.375	10000			
						Port //2/4	7612748	14204545	5359.375	10000			
1	128	Passed	79.609	79.609	79.609		20171294	25337837	23882.813	30000	0	False	False
						Port //2/1	6723764	8445945	7960.938	10000			
						Port //2/2	6723764	8445945	7960.938	10000			
						Port //2/4	6723764	8445945	7960.938	10000			
1	256	Passed	100	100	100		13586956	13586956	30000	30000	0	False	False
						Port //2/1	4528985	4528985	10000	10000			
						Port //2/2	4528985	4528985	10000	10000			
						Port //2/4	4528985	4528985	10000	10000			
1	512	Passed	100	100	100		7048872	7048872	30000	30000	0	False	False
						Port //2/1	2349624	2349624	10000	10000			
						Port //2/2	2349624	2349624	10000	10000			

						Port //2/4	2349624	2349624	10000	10000			
1	1024	Passed	100	100	100		3591954	3591954	30000	30000	0	False	False
						Port //2/1	1197318	1197318	10000	10000			
						Port //2/2	1197318	1197318	10000	10000			
						Port //2/4	1197318	1197318	10000	10000			
1	1280	Passed	100	100	100		2884615	2884615	30000	30000	0	False	False
						Port //2/1	961538	961538	10000	10000			
						Port //2/2	961538	961538	10000	10000			
						Port //2/4	961538	961538	10000	10000			
1	1518	Passed	100	100	100		2438231	2438231	30000	30000	0	False	False
						Port //2/1	812743	812743	10000	10000			
						Port //2/2	812743	812743	10000	10000			
						Port //2/4	812743	812743	10000	10000			
2	68	Passed	52.891	52.891	52.891		22538619	42613636	15867.188	30000	0	False	False
						Port //2/1	7512873	14204545	5289.063	10000			
						Port //2/2	7512873	14204545	5289.063	10000			
						Port //2/4	7512873	14204545	5289.063	10000			
2	128	Passed	76.797	76.797	76.797		19458667	25337837	23039.063	30000	0	False	False
						Port //2/1	6486222	8445945	7679.688	10000			
						Port //2/2	6486222	8445945	7679.688	10000			
						Port //2/4	6486222	8445945	7679.688	10000			
2	256	Passed	100	100	100		13586956	13586956	30000	30000	0	False	False
						Port //2/1	4528985	4528985	10000	10000			
						Port //2/2	4528985	4528985	10000	10000			
						Port //2/4	4528985	4528985	10000	10000			
2	512	Passed	100	100	100		7048872	7048872	30000	30000	0	False	False
						Port //2/1	2349624	2349624	10000	10000			
						Port //2/2	2349624	2349624	10000	10000			

						Port //2/4	2349624	2349624	10000	10000			
2	1024	Passed	100	100	100		3591954	3591954	30000	30000	0	False	False
						Port //2/1	1197318	1197318	10000	10000			
						Port //2/2	1197318	1197318	10000	10000			
						Port //2/4	1197318	1197318	10000	10000			
2	1280	Passed	100	100	100		2884615	2884615	30000	30000	0	False	False
						Port //2/1	961538	961538	10000	10000			
						Port //2/2	961538	961538	10000	10000			
						Port //2/4	961538	961538	10000	10000			
2	1518	Passed	100	100	100		2438231	2438231	30000	30000	0	False	False
						Port //2/1	812743	812743	10000	10000			
						Port //2/2	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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