



Spirent TestCenter Report

Test Type: RFC2544 Throughput Test

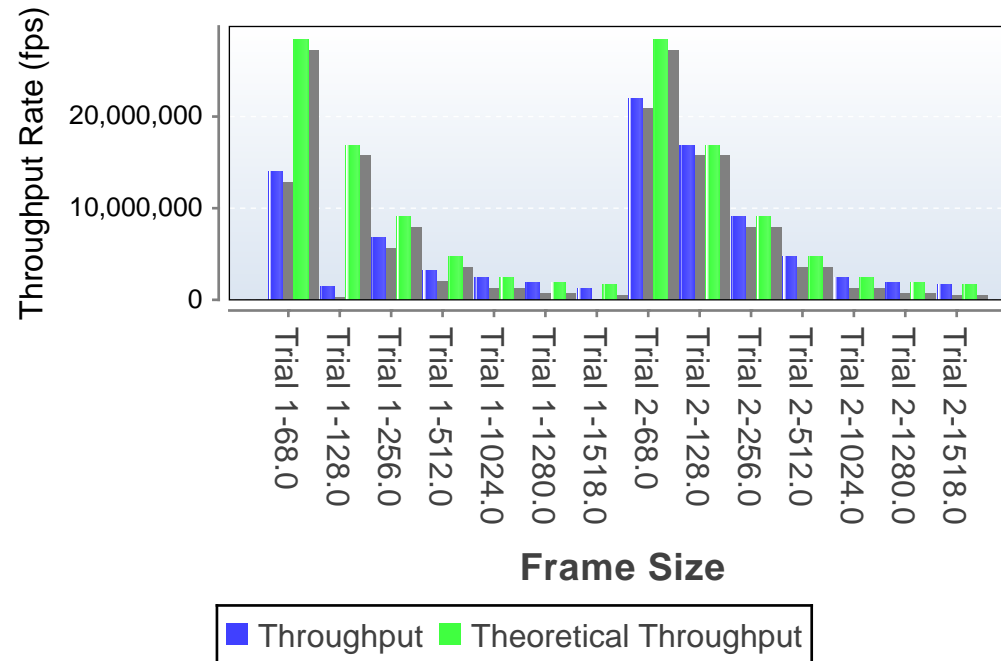
Counter Mode: Jitter

Test Date: 2019-03-27 15:06:12 CST





Throughput by Frame Size VS Theoretical Max

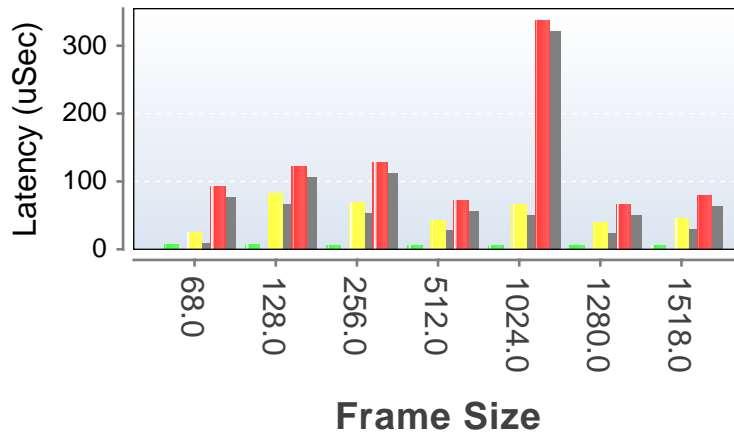


Total Trials	Number of Passed Trials	Frame Size (bytes)	Intended Load (%)	Offered Load (%)	Throughput (%)	Aggregated Throughput (fps)	Aggregated Theoretical Max (fps)	Aggregated Throughput (Mbps)
2	2	68	77.5	77.5	77.5	22017046	28409090	15500
2	2	128	100	100	100	16891891	16891891	20000
2	2	256	100	100	100	9057971	9057971	20000
2	2	512	100	100	100	4699248	4699248	20000
2	2	1024	100	100	100	2394636	2394636	20000
2	2	1280	100	100	100	1923076	1923076	20000
2	2	1518	100	100	100	1625487	1625487	20000

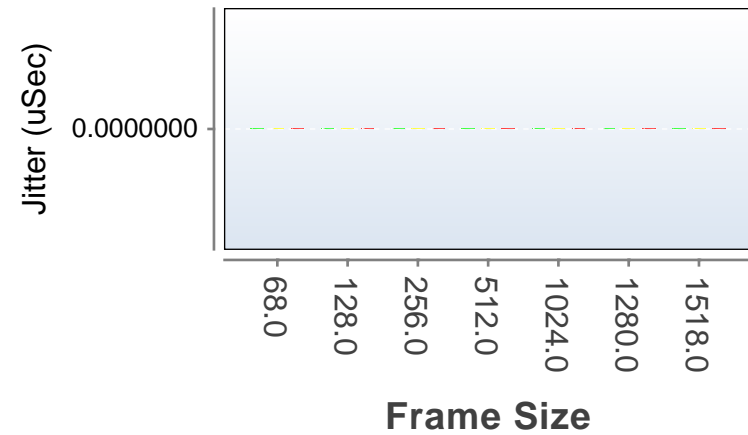
[illegible]



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	2.76	3.655	778.49	0	0	0
68	55	55	0	5.36	7.504	180.78	0	0	0
68	32.5	32.5	0	3.5	4.677	79.07	0	0	0
68	43.75	43.75	0	4.18	5.631	80.55	0	0	0
68	49.375	49.375	0	4.78	6.406	73.6	0	0	0

68	52.188	52.188	0.0000704843095620424	5.12	6.917	288.29	0	0	0
68	50.781	50.781	0.0000532584992807134	4.88	6.664	249.58	0	0	0
68	50.078	50.078	0.000177014076649063	4.83	6.551	343.56	0	0	0
68	77.5	77.5	0	6.35	25.149	92.53	0	0	0
68	88.75	88.75	3.21096730121851	7.7	117.787	190.61	0	0	0
68	83.125	83.125	0.0600141796532252	7.55	36.23	990.69	0	0	0
68	80.313	80.313	0.0199326042032931	8.65	32.593	103.16	0	0	0
68	78.906	78.906	0.077718847769102	7.37	29.278	13964.45	0	0	0
68	78.203	78.203	0.00402563261062548	7.93	27.326	94.83	0	0	0
128	10	10	0	2.71	3.608	2238.8	0	0	0
128	5.5	5.5	0	2.73	2.988	49.49	0	0	0
128	7.75	7.75	0	2.66	2.99	328.78	0	0	0
128	8.875	8.875	0.0146193414754876	2.63	3.547	9904.42	0	0	0
128	8.313	8.313	0	2.64	2.988	48.58	0	0	0
128	55	55	0	3.85	5.033	85.53	0	0	0
128	77.5	77.5	0	5.18	6.886	82.83	0	0	0
128	88.75	88.75	0	6.28	8.863	77.97	0	0	0
128	94.375	94.375	0	5.61	10.487	82.92	0	0	0
128	97.188	97.188	0	6.45	12.45	77.59	0	0	0
128	98.594	98.594	0	5.92	14.768	78.21	0	0	0
128	99.297	99.297	0	6.2	17.997	80.04	0	0	0
128	100	100	0	6.34	82.487	121.94	0	0	0
256	10	10	0	2.76	3.048	522.6	0	0	0
256	55	55	0	3.39	4.252	65.25	0	0	0
256	77.5	77.5	0	3.96	4.934	12914.33	0	0	0
256	66.25	66.25	0	3.55	4.535	202.67	0	0	0
256	71.875	71.875	0	3.8	4.738	71.95	0	0	0
256	74.688	74.688	0	3.85	4.823	68.4	0	0	0

256	76.094	76.094	0.00140804200276103	3.85	4.888	873.18	0	0	0
256	75.391	75.391	0	3.85	4.848	75.85	0	0	0
256	88.75	88.75	0	4.32	5.267	77.77	0	0	0
256	94.375	94.375	0	4.57	5.61	80.37	0	0	0
256	97.188	97.188	0	4.81	6.005	80.44	0	0	0
256	98.594	98.594	0	5.02	6.514	86.08	0	0	0
256	99.297	99.297	0	5.25	7.299	77.9	0	0	0
256	100	100	0	5.34	68.579	127.82	0	0	0
512	10	10	0	2.87	3.175	44.69	0	0	0
512	55	55	0	3.18	3.92	53.15	0	0	0
512	77.5	77.5	0	3.45	4.281	794.5	0	0	0
512	66.25	66.25	0	3.3	4.122	53.31	0	0	0
512	71.875	71.875	0.0155392099946762	3.39	4.348	8062.03	0	0	0
512	69.063	69.063	0.00877288006200906	3.32	4.26	7846.3	0	0	0
512	67.656	67.656	0.0002511007149241	3.3	4.196	855.06	0	0	0
512	66.953	66.953	0	3.3	4.135	241.73	0	0	0
512	88.75	88.75	0	3.73	4.56	54	0	0	0
512	94.375	94.375	0	3.99	4.78	56.59	0	0	0
512	97.188	97.188	0	4.19	5.007	61.04	0	0	0
512	98.594	98.594	0	4.35	5.271	60.17	0	0	0
512	99.297	99.297	0	4.5	5.692	56.17	0	0	0
512	100	100	0	5.1	43.169	71.25	0	0	0
1024	10	10	0	3.09	3.392	145.24	0	0	0
1024	55	55	0	2.89	3.29	663.39	0	0	0
1024	77.5	77.5	0	3.34	4.169	256.32	0	0	0
1024	88.75	88.75	0	3.61	4.35	645.68	0	0	0
1024	94.375	94.375	0	3.78	4.623	841.29	0	0	0
1024	97.188	97.188	0	3.98	4.655	46.02	0	0	0

1024	98.594	98.594	0	4.09	4.903	233.84	0	0	0
1024	99.297	99.297	0	4.18	5.254	47.32	0	0	0
1024	100	100	0	5.24	65.276	337.74	0	0	0
1280	10	10	0	3.2	3.503	34.42	0	0	0
1280	55	55	0	3.02	3.407	36.79	0	0	0
1280	77.5	77.5	0	2.99	3.682	40.13	0	0	0
1280	88.75	88.75	0	3.56	4.359	38.51	0	0	0
1280	94.375	94.375	0	3.86	4.54	181.71	0	0	0
1280	97.188	97.188	0	4.05	4.799	2864.56	0	0	0
1280	95.781	95.781	0	3.97	4.613	163.37	0	0	0
1280	96.484	96.484	0	4.01	4.646	184.54	0	0	0
1280	98.594	98.594	0	4.15	4.922	42.41	0	0	0
1280	99.297	99.297	0	4.26	5.258	39.79	0	0	0
1280	100	100	0	5.21	39.259	66.03	0	0	0
1518	10	10	0	3.27	3.615	28.26	0	0	0
1518	55	55	0	3.17	3.522	34.42	0	0	0
1518	77.5	77.5	0	3.07	3.551	5226.03	0	0	0
1518	66.25	66.25	0	3.12	3.523	836.91	0	0	0
1518	71.875	71.875	0	3.09	3.537	1033.45	0	0	0
1518	74.688	74.688	0	3.07	3.458	36.46	0	0	0
1518	76.094	76.094	0	3.08	3.502	699.61	0	0	0
1518	76.797	76.797	0	3.08	3.497	995.89	0	0	0
1518	88.75	88.75	0	3.11	3.567	35.87	0	0	0
1518	94.375	94.375	0	3.23	4.366	39.93	0	0	0
1518	97.188	97.188	0	3.85	4.712	37.92	0	0	0
1518	98.594	98.594	0	4.19	4.958	36.98	0	0	0
1518	99.297	99.297	0	4.35	5.272	37.4	0	0	0
1518	100	100	0	5.28	45.542	79.64	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	49.375	49.375	49.375		14026990	28409090	9875.001	20000	0	False	False
						Port //2/1	7013495	14204545	4937.501	10000			
						Port //2/2	7013495	14204545	4937.501	10000			
1	128	Passed	8.313	8.313	8.313		1404138	16891891	1662.5	20000	0	False	False
						Port //2/1	702069	8445945	831.25	10000			
						Port //2/2	702069	8445945	831.25	10000			
1	256	Passed	75.391	75.391	75.391		6828861	9057971	15078.125	20000	0	False	False
						Port //2/1	3414430	4528985	7539.063	10000			
						Port //2/2	3414430	4528985	7539.063	10000			
1	512	Passed	66.953	66.953	66.953		3146293	4699248	13390.625	20000	0	False	False
						Port //2/1	1573146	2349624	6695.313	10000			
						Port //2/2	1573146	2349624	6695.313	10000			
1	1024	Passed	100	100	100		2394636	2394636	20000	20000	0	False	False
						Port //2/1	1197318	1197318	10000	10000			
						Port //2/2	1197318	1197318	10000	10000			

1	1280	Passed	96.484	96.484	96.484		1855468	1923076	19296.877	20000	0	False	False
						Port //2/1	927734	961538	9648.438	10000			
						Port //2/2	927734	961538	9648.438	10000			
1	1518	Passed	76.797	76.797	76.797		1248323	1625487	15359.375	20000	0	False	False
						Port //2/1	624161	812743	7679.688	10000			
						Port //2/2	624161	812743	7679.688	10000			
2	68	Passed	77.5	77.5	77.5		22017046	28409090	15500	20000	0	False	False
						Port //2/1	11008523	14204545	7750	10000			
						Port //2/2	11008523	14204545	7750	10000			
2	128	Passed	100	100	100		16891891	16891891	20000	20000	0	False	False
						Port //2/1	8445945	8445945	10000	10000			
						Port //2/2	8445945	8445945	10000	10000			
2	256	Passed	100	100	100		9057971	9057971	20000	20000	0	False	False
						Port //2/1	4528985	4528985	10000	10000			
						Port //2/2	4528985	4528985	10000	10000			
2	512	Passed	100	100	100		4699248	4699248	20000	20000	0	False	False
						Port //2/1	2349624	2349624	10000	10000			
						Port //2/2	2349624	2349624	10000	10000			
2	1024	Passed	100	100	100		2394636	2394636	20000	20000	0	False	False
						Port //2/1	1197318	1197318	10000	10000			
						Port //2/2	1197318	1197318	10000	10000			
2	1280	Passed	100	100	100		1923076	1923076	20000	20000	0	False	False
						Port //2/1	961538	961538	10000	10000			
						Port //2/2	961538	961538	10000	10000			
2	1518	Passed	100	100	100		1625487	1625487	20000	20000	0	False	False
						Port //2/1	812743	812743	10000	10000			
						Port //2/2	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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