



Spirent TestCenter Report

Test Type: RFC2544 Throughput Test

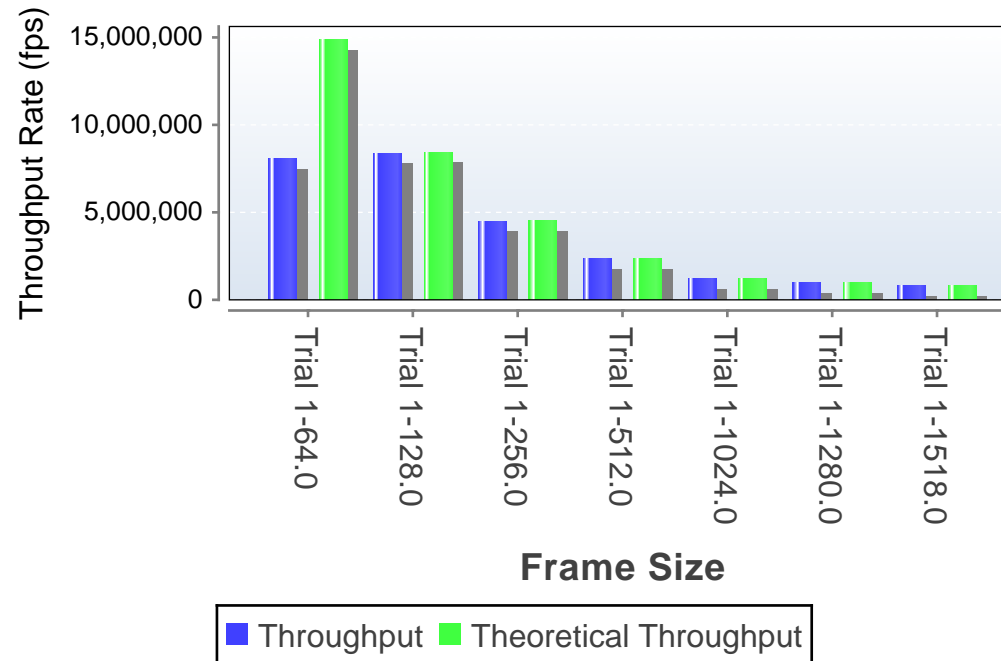
Counter Mode: Jitter

Test Date: 2019-03-21 12:04:34 CST





Throughput by Frame Size VS Theoretical Max

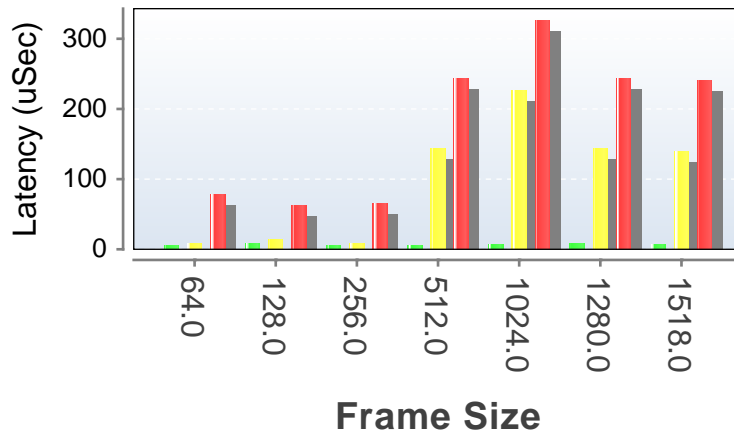


Total Trials	Number of Passed Trials	Frame Size (bytes)	Intended Load (%)	Offered Load (%)	Throughput (%)	Aggregated Throughput (fps)	Aggregated Theoretical Max (fps)	Aggregated Throughput (Mbps)
1	1	64	54.297	54.297	54.297	8079892	14880952	5429.688
1	1	128	99.297	99.297	99.297	8386560	8445945	9929.688
1	1	256	99.297	99.297	99.297	4497141	4528985	9929.688
1	1	512	100	100	100	2349624	2349624	10000
1	1	1024	100	100	100	1197318	1197318	10000
1	1	1280	100	100	100	961538	961538	10000
1	1	1518	100	100	100	812743	812743	10000

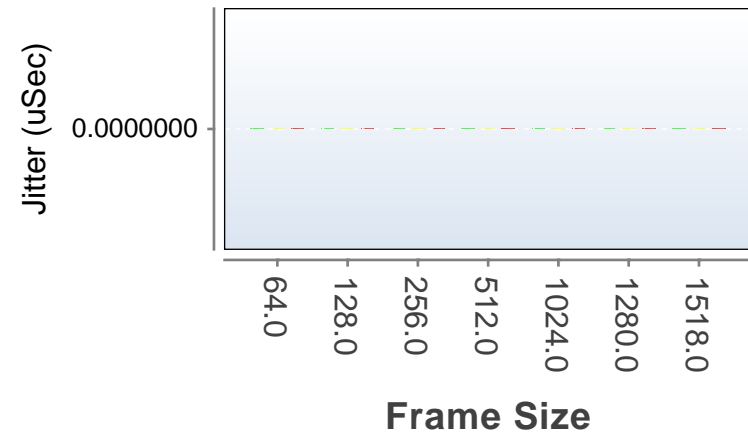
[illegible]



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)
64	10	10	0	2.88	3.897	178.4	0	0	0
64	55	55	0.00823790514539934	5.53	7.841	404.59	0	0	0
64	32.5	32.5	0	3.72	5.035	59.15	0	0	0
64	43.75	43.75	0	4.37	5.901	59.97	0	0	0
64	49.375	49.375	0	4.84	6.697	77.5	0	0	0

64	52.188	52.188	0	5.13	7.273	61.56	0	0	0
64	53.594	53.594	0	5.31	7.467	66.82	0	0	0
64	54.297	54.297	0	5.38	7.588	77.74	0	0	0
128	10	10	0	2.91	3.684	45.43	0	0	0
128	55	55	0	3.88	5.243	59.44	0	0	0
128	77.5	77.5	0	5.14	6.614	62.35	0	0	0
128	88.75	88.75	0	6.1	8.143	77.91	0	0	0
128	94.375	94.375	0	6.73	9.184	62.53	0	0	0
128	97.188	97.188	0	7.3	10.372	65.44	0	0	0
128	98.594	98.594	0	7.27	11.83	70.61	0	0	0
128	99.297	99.297	0	8.02	13.841	62.8	0	0	0
128	100	100	0.00020641066656759	6	127.921	147.17	0	0	0
256	10	10	0	2.79	3.089	42.62	0	0	0
256	55	55	0	3.46	4.317	51.32	0	0	0
256	77.5	77.5	0	4.05	5.052	53.24	0	0	0
256	88.75	88.75	0	4.4	5.451	78.71	0	0	0
256	94.375	94.375	0	4.63	5.903	77.49	0	0	0
256	97.188	97.188	0	4.83	6.438	57.29	0	0	0
256	98.594	98.594	0	5.01	7.256	78.23	0	0	0
256	99.297	99.297	0	5.21	8.676	65.45	0	0	0
256	100	100	0.0000069919999854566	5.38	149.524	245.85	0	0	0
512	10	10	0	2.86	3.183	41.18	0	0	0
512	55	55	0	3.28	3.991	63.07	0	0	0
512	77.5	77.5	0	3.59	4.377	49.52	0	0	0
512	88.75	88.75	0	3.78	4.674	51.53	0	0	0
512	94.375	94.375	0	4.03	4.976	62.93	0	0	0
512	97.188	97.188	0	4.22	5.368	50.34	0	0	0
512	98.594	98.594	0	4.34	6.013	49.81	0	0	0

512	99.297	99.297	0	4.47	7.064	51.21	0	0	0
512	100	100	0	5.02	143.167	243.8	0	0	0
1024	10	10	0	3.04	3.299	40.27	0	0	0
1024	55	55	0	2.94	3.247	43.92	0	0	0
1024	77.5	77.5	0	3.43	4.198	44.81	0	0	0
1024	88.75	88.75	0	3.67	4.356	47.38	0	0	0
1024	94.375	94.375	0	3.85	4.591	47.16	0	0	0
1024	97.188	97.188	0	3.99	4.906	47.94	0	0	0
1024	98.594	98.594	0	4.07	5.422	45.82	0	0	0
1024	99.297	99.297	0	4.14	7.222	180.68	0	0	0
1024	100	100	0	6.86	226.266	326.59	0	0	0
1280	10	10	0	3.09	3.444	224.96	0	0	0
1280	55	55	0	3.01	3.324	46.19	0	0	0
1280	77.5	77.5	0	3.02	4.027	65.57	0	0	0
1280	88.75	88.75	0	3.62	4.393	62.8	0	0	0
1280	94.375	94.375	0	3.87	4.641	45.18	0	0	0
1280	97.188	97.188	0	4.06	4.936	45.73	0	0	0
1280	98.594	98.594	0	4.14	5.45	46.54	0	0	0
1280	99.297	99.297	0	4.23	6.345	60.67	0	0	0
1280	100	100	0	7.71	143.159	243.91	0	0	0
1518	10	10	0	3.17	3.416	41.84	0	0	0
1518	55	55	0	3.1	3.385	43.89	0	0	0
1518	77.5	77.5	0	3.05	3.382	41.29	0	0	0
1518	88.75	88.75	0	3.05	3.896	45.22	0	0	0
1518	94.375	94.375	0	3.35	4.591	44.83	0	0	0
1518	97.188	97.188	0	3.89	4.975	45.2	0	0	0
1518	98.594	98.594	0	4.19	5.458	45.76	0	0	0
1518	99.297	99.297	0	4.33	6.332	47.3	0	0	0

1518	100	100	0	6.29	139.451	240.49	0	0	0
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Throughput by Trial

Traffic Duration : 60 Seconds

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Custom Frame Size(bytes) : {64 128 256 512 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	64	Passed	54.297	54.297	54.297		8079892	14880952	5429.688	10000	0	False	False
						Port //2/6	8079892	14880952	5429.688	10000			
1	128	Passed	99.297	99.297	99.297		8386560	8445945	9929.688	10000	0	False	False
						Port //2/6	8386560	8445945	9929.688	10000			
1	256	Passed	99.297	99.297	99.297		4497141	4528985	9929.688	10000	0	False	False
						Port //2/6	4497141	4528985	9929.688	10000			
1	512	Passed	100	100	100		2349624	2349624	10000	10000	0	False	False
						Port //2/6	2349624	2349624	10000	10000			
1	1024	Passed	100	100	100		1197318	1197318	10000	10000	0	False	False
						Port //2/6	1197318	1197318	10000	10000			
1	1280	Passed	100	100	100		961538	961538	10000	10000	0	False	False
						Port //2/6	961538	961538	10000	10000			
1	1518	Passed	100	100	100		812743	812743	10000	10000	0	False	False
						Port //2/6	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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