



Spirent TestCenter Report

Test Type: RFC2544 Throughput Test

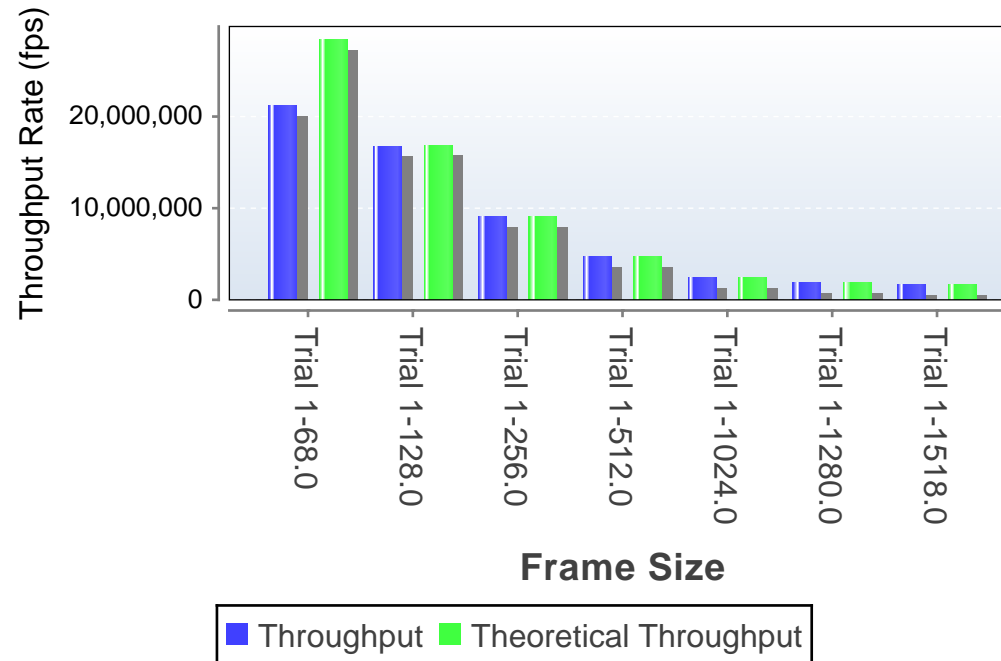
Counter Mode: Jitter

Test Date: 2019-03-25 10:15:44 CST





Throughput by Frame Size VS Theoretical Max

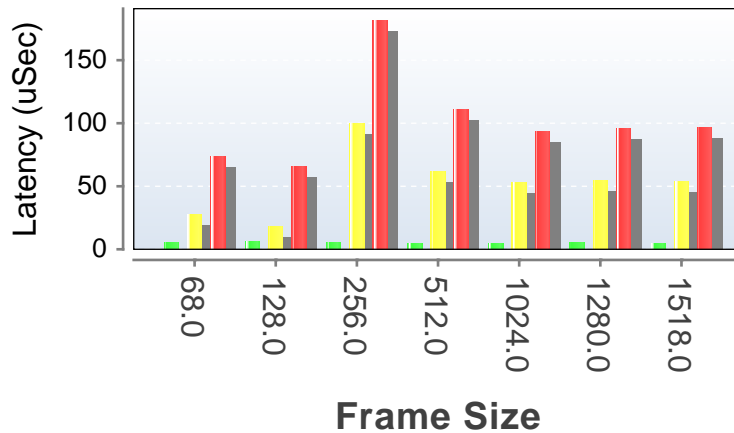


Total Trials	Number of Passed Trials	Frame Size (bytes)	Intended Load (%)	Offered Load (%)	Throughput (%)	Aggregated Throughput (fps)	Aggregated Theoretical Max (fps)	Aggregated Throughput (Mbps)
1	1	68	74.688	74.688	74.688	21218039	28409090	14937.5
1	1	128	99.297	99.297	99.297	16773120	16891891	19859.375
1	1	256	100	100	100	9057971	9057971	20000
1	1	512	100	100	100	4699248	4699248	20000
1	1	1024	100	100	100	2394636	2394636	20000
1	1	1280	100	100	100	1923076	1923076	20000
1	1	1518	100	100	100	1625487	1625487	20000

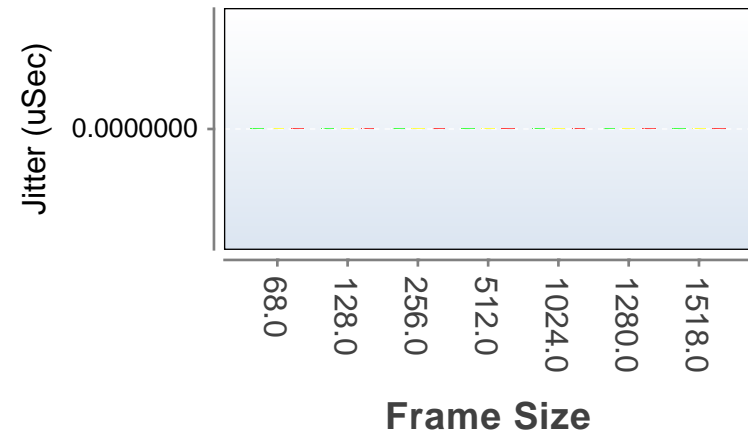
[illegible]



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	2.71	3.677	33.53	0	0	0
68	55	55	0	5.13	7.965	62.32	0	0	0
68	77.5	77.5	0.0049665305995695	9.24	34.79	161.32	0	0	0
68	66.25	66.25	0	6.59	13.276	69.02	0	0	0
68	71.875	71.875	0	5.75	21.359	72.51	0	0	0

68	74.688	74.688	0	5.62	27.881	73.29	0	0	0
68	76.094	76.094	0.00144234705447975	7.48	31.357	161.05	0	0	0
68	75.391	75.391	0.000287922617954551	6.07	29.665	158.67	0	0	0
128	10	10	0	2.68	3.623	30.42	0	0	0
128	55	55	0	3.8	5.237	28.97	0	0	0
128	77.5	77.5	0	5.13	7.23	61.78	0	0	0
128	88.75	88.75	0	5.35	9.318	63.82	0	0	0
128	94.375	94.375	0	6.48	11.204	64.43	0	0	0
128	97.188	97.188	0	5.73	13.185	48.71	0	0	0
128	98.594	98.594	0	6.08	15.426	68.96	0	0	0
128	99.297	99.297	0	6.51	18.16	65.81	0	0	0
128	100	100	0.0000077946666629252	5.18	93.848	142.35	0	0	0
256	10	10	0	2.8	3.073	62.68	0	0	0
256	55	55	0	3.34	4.298	42.75	0	0	0
256	77.5	77.5	0	3.85	5.006	25.11	0	0	0
256	88.75	88.75	0	4.33	5.469	54.78	0	0	0
256	94.375	94.375	0	4.59	5.841	91.19	0	0	0
256	97.188	97.188	0	4.82	6.257	29.07	0	0	0
256	98.594	98.594	0	4.83	6.72	57.45	0	0	0
256	99.297	99.297	0	4.71	7.336	61.11	0	0	0
256	100	100	0	5.78	99.941	181.79	0	0	0
512	10	10	0	2.94	3.213	29.84	0	0	0
512	55	55	0	3.18	3.955	36.41	0	0	0
512	77.5	77.5	0	3.41	4.323	35.19	0	0	0
512	88.75	88.75	0	3.63	4.574	39.74	0	0	0
512	94.375	94.375	0	3.87	4.836	35.96	0	0	0
512	97.188	97.188	0	4.18	5.048	36.29	0	0	0
512	98.594	98.594	0	4.3	5.279	45.65	0	0	0

512	99.297	99.297	0	4.45	5.599	36.67	0	0	0
512	100	100	0	4.83	61.691	111.19	0	0	0
1024	10	10	0	3.12	3.426	51.75	0	0	0
1024	55	55	0	2.91	3.311	32.66	0	0	0
1024	77.5	77.5	0	3.34	4.219	39.04	0	0	0
1024	88.75	88.75	0	3.63	4.387	33.19	0	0	0
1024	94.375	94.375	0	3.77	4.5	18.64	0	0	0
1024	97.188	97.188	0	3.95	4.677	39.33	0	0	0
1024	98.594	98.594	0	4.08	4.872	38.87	0	0	0
1024	99.297	99.297	0	4.16	5.121	19.68	0	0	0
1024	100	100	0	4.64	53.109	93.42	0	0	0
1280	10	10	0	3.24	3.543	19.85	0	0	0
1280	55	55	0	3.06	3.438	30.28	0	0	0
1280	77.5	77.5	0	3.01	3.753	36.33	0	0	0
1280	88.75	88.75	0	3.53	4.415	63.64	0	0	0
1280	94.375	94.375	0	3.86	4.589	36.96	0	0	0
1280	97.188	97.188	0	4.05	4.735	34.98	0	0	0
1280	98.594	98.594	0	4.16	4.913	32.82	0	0	0
1280	99.297	99.297	0	4.24	5.163	19.64	0	0	0
1280	100	100	0	5.43	54.235	95.46	0	0	0
1518	10	10	0	3.32	3.658	18.37	0	0	0
1518	55	55	0	3.21	3.56	16.9	0	0	0
1518	77.5	77.5	0	3.07	3.51	31.66	0	0	0
1518	88.75	88.75	0	3.1	3.854	31.67	0	0	0
1518	94.375	94.375	0	3.21	4.414	32.18	0	0	0
1518	97.188	97.188	0	3.74	4.727	62.07	0	0	0
1518	98.594	98.594	0	4.06	4.926	34.58	0	0	0
1518	99.297	99.297	0	4.33	5.158	31.87	0	0	0

1518	100	100	0	4.89	53.983	96.55	0	0	0
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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	74.688	74.688	74.688		21218039	28409090	14937.5	20000	0	False	False
						Port //2/1	10609019	14204545	7468.75	10000			
						Port //2/2	10609019	14204545	7468.75	10000			
1	128	Passed	99.297	99.297	99.297		16773120	16891891	19859.375	20000	0	False	False
						Port //2/1	8386560	8445945	9929.688	10000			
						Port //2/2	8386560	8445945	9929.688	10000			
1	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			
1	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			
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	100	100	100		1923076	1923076	20000	20000	0	False	False
						Port //2/1	961538	961538	10000	10000			
						Port //2/2	961538	961538	10000	10000			
1	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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