



Spirent TestCenter Report

Test Type: RFC2544 Throughput Test

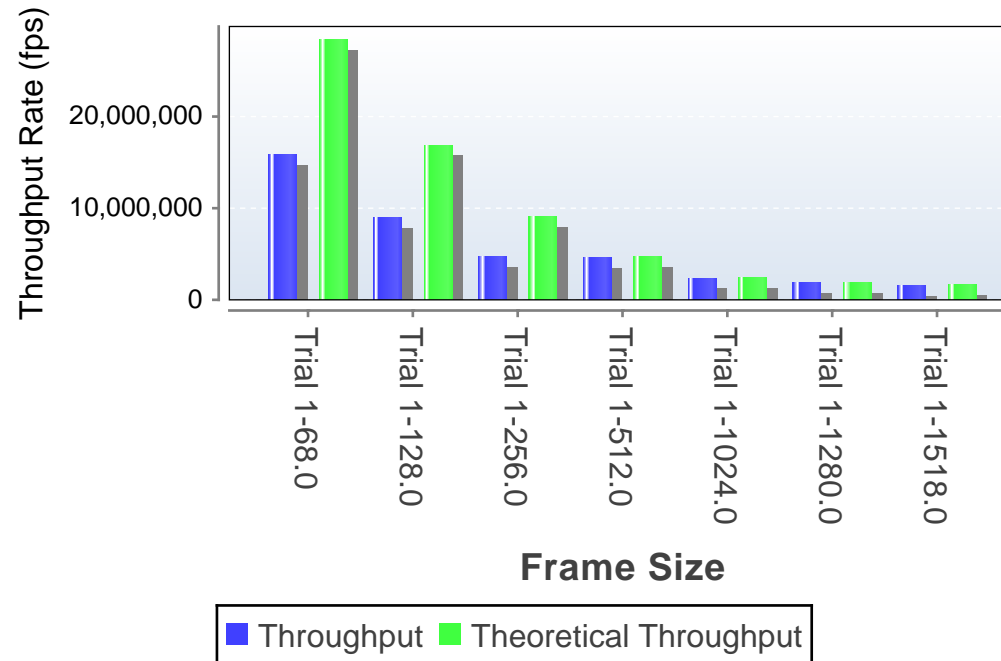
Counter Mode: Jitter

Test Date: 2019-02-26 09:59:59 CST





Throughput by Frame Size VS Theoretical Max

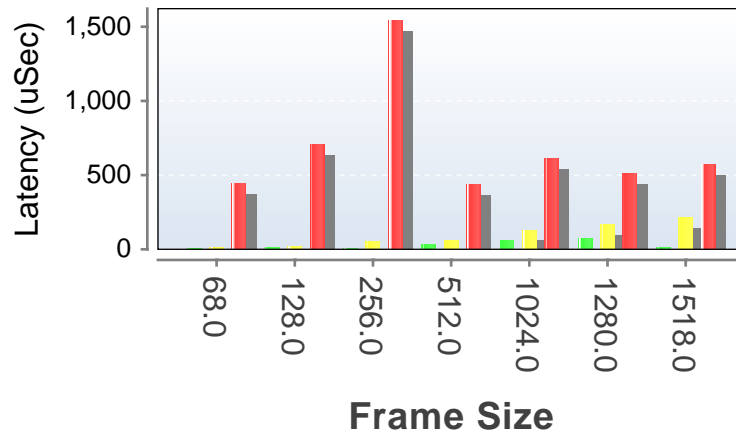


Total Trials	Number of Passed Trials	Frame Size (bytes)	Intended Load (%)	Offered Load (%)	Throughput (%)	Aggregated Throughput (fps)	Aggregated Theoretical Max (fps)	Aggregated Throughput (Mbps)
1	1	68	55.703	55.703	55.703	15824752	28409090	11140.625
1	1	128	52.891	52.891	52.891	8934227	16891891	10578.126
1	1	256	52.188	52.188	52.188	4727128	9057971	10437.5
1	1	512	98.594	98.594	98.594	4633165	4699248	19718.751
1	1	1024	99.297	99.297	99.297	2377798	2394636	19859.375
1	1	1280	97.891	97.891	97.891	1882512	1923076	19578.125
1	1	1518	97.891	97.891	97.891	1591200	1625487	19578.126

[illegible]

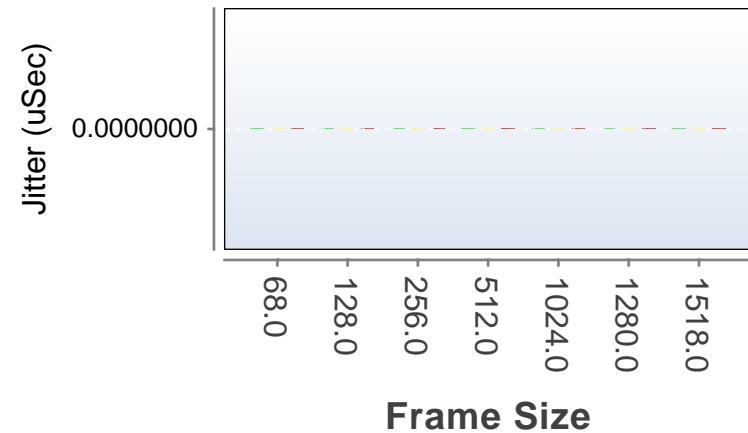


Latency by Frame size at Throughput



■ Min Latency
 ■ Avg Latency
 ■ Max Latency

Jitter by Frame size at Throughput



■ 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	3.06	26.124	450.52	0	0	0
68	55	55	0	7.3	11.957	463.93	0	0	0
68	77.5	77.5	30.1287420354287	13.72	529.976	980.95	0	0	0
68	66.25	66.25	3.26353329929882	11.65	438.923	839.16	0	0	0
68	60.625	60.625	0.0186095018751928	8.39	17.049	780.72	0	0	0

68	57.813	57.813	0.00166270839238773	7.76	12.952	600.03	0	0	0
68	56.406	56.406	0.0000942306898211316	7.64	12.193	547.52	0	0	0
68	55.703	55.703	0	7.46	11.949	445.39	0	0	0
128	10	10	0	4.25	39.363	462.38	0	0	0
128	55	55	0.0024521356627004	14.49	30.708	1068.99	0	0	0
128	32.5	32.5	0	8.82	20.981	460.89	0	0	0
128	43.75	43.75	0	11.43	18.564	468.33	0	0	0
128	49.375	49.375	0	12.94	19.001	478.47	0	0	0
128	52.188	52.188	0	13.35	20.241	467.29	0	0	0
128	53.594	53.594	0.000120954400695375	14.23	22.855	961.45	0	0	0
128	52.891	52.891	0	13.85	21.257	706.9	0	0	0
256	10	10	0	9.55	62	505.87	0	0	0
256	55	55	3.79303739746985	33.01	1690.088	2263.03	0	0	0
256	32.5	32.5	0	18.79	38.379	463.98	0	0	0
256	43.75	43.75	0	22.19	33.573	500.19	0	0	0
256	49.375	49.375	0	25.14	34.575	759.59	0	0	0
256	52.188	52.188	0	8.12	54.293	1544.62	0	0	0
256	53.594	53.594	0.830493635082378	34.08	1624.553	2153.5	0	0	0
256	52.891	52.891	0.000585842923461389	35.29	99.688	1989.1	0	0	0
512	10	10	0	12.26	58.408	483.79	0	0	0
512	55	55	0	18.27	42.837	485.76	0	0	0
512	77.5	77.5	0	24.32	35.301	441.14	0	0	0
512	88.75	88.75	0	14.48	35.22	458.23	0	0	0
512	94.375	94.375	0	29.06	36.05	460.36	0	0	0
512	97.188	97.188	0	29.64	39.251	521.92	0	0	0
512	98.594	98.594	0	30.01	59.894	436.18	0	0	0
512	99.297	99.297	0.0000585772038653211	18.98	102.905	447.09	0	0	0
1024	10	10	0	11.96	58.599	478.37	0	0	0

1024	55	55	0	42.18	82.658	585.02	0	0	0
1024	77.5	77.5	0	44.88	67.362	460.24	0	0	0
1024	88.75	88.75	0	10.1	64.919	446.87	0	0	0
1024	94.375	94.375	0	16.89	65.368	468.1	0	0	0
1024	97.188	97.188	0	30.5	68.14	462.96	0	0	0
1024	98.594	98.594	0	10.31	74.311	472.49	0	0	0
1024	99.297	99.297	0	56.49	129.664	609.19	0	0	0
1024	100	100	0.33487761348172	63.77	3367.283	3571.97	0	0	0
1280	10	10	0	12.35	58.921	462.08	0	0	0
1280	55	55	0	12.23	86.058	518.45	0	0	0
1280	77.5	77.5	0	6.31	84.027	510.85	0	0	0
1280	88.75	88.75	0	57.09	80.33	453.5	0	0	0
1280	94.375	94.375	0	7.61	82.438	517.23	0	0	0
1280	97.188	97.188	0	38.78	152.967	453.52	0	0	0
1280	98.594	98.594	0.353628553584806	14.2	4219.261	4452.78	0	0	0
1280	97.891	97.891	0	70.08	166.293	510.94	0	0	0
1518	10	10	0	11.05	59.166	557.17	0	0	0
1518	55	55	0	9.78	87.462	490.41	0	0	0
1518	77.5	77.5	0	40.13	97.57	567.5	0	0	0
1518	88.75	88.75	0	40.41	94.972	470.68	0	0	0
1518	94.375	94.375	0	65.9	98.541	537.62	0	0	0
1518	97.188	97.188	0	43.18	172.241	518.23	0	0	0
1518	98.594	98.594	0.262742190806903	24.95	4968.573	5276.81	0	0	0
1518	97.891	97.891	0	13.68	213.147	570.38	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	55.703	55.703	55.703		15824752	28409090	11140.625	20000	0	False	False
						Port //2/1	7912376	14204545	5570.313	10000			
						Port //2/2	7912376	14204545	5570.313	10000			
1	128	Passed	52.891	52.891	52.891		8934227	16891891	10578.126	20000	0	False	False
						Port //2/1	4467113	8445945	5289.063	10000			
						Port //2/2	4467113	8445945	5289.063	10000			
1	256	Passed	52.188	52.188	52.188		4727128	9057971	10437.5	20000	0	False	False
						Port //2/1	2363564	4528985	5218.75	10000			
						Port //2/2	2363564	4528985	5218.75	10000			
1	512	Passed	98.594	98.594	98.594		4633165	4699248	19718.751	20000	0	False	False
						Port //2/1	2316582	2349624	9859.375	10000			
						Port //2/2	2316582	2349624	9859.375	10000			
1	1024	Passed	99.297	99.297	99.297		2377798	2394636	19859.375	20000	0	False	False
						Port //2/1	1188899	1197318	9929.688	10000			
						Port //2/2	1188899	1197318	9929.688	10000			

1	1280	Passed	97.891	97.891	97.891		1882512	1923076	19578.125	20000	0	False	False
						Port //2/1	941256	961538	9789.063	10000			
						Port //2/2	941256	961538	9789.063	10000			
1	1518	Passed	97.891	97.891	97.891		1591200	1625487	19578.126	20000	0	False	False
						Port //2/1	795600	812743	9789.063	10000			
						Port //2/2	795600	812743	9789.063	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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