



Spirent TestCenter Report

Test Type: RFC2544 Throughput Test

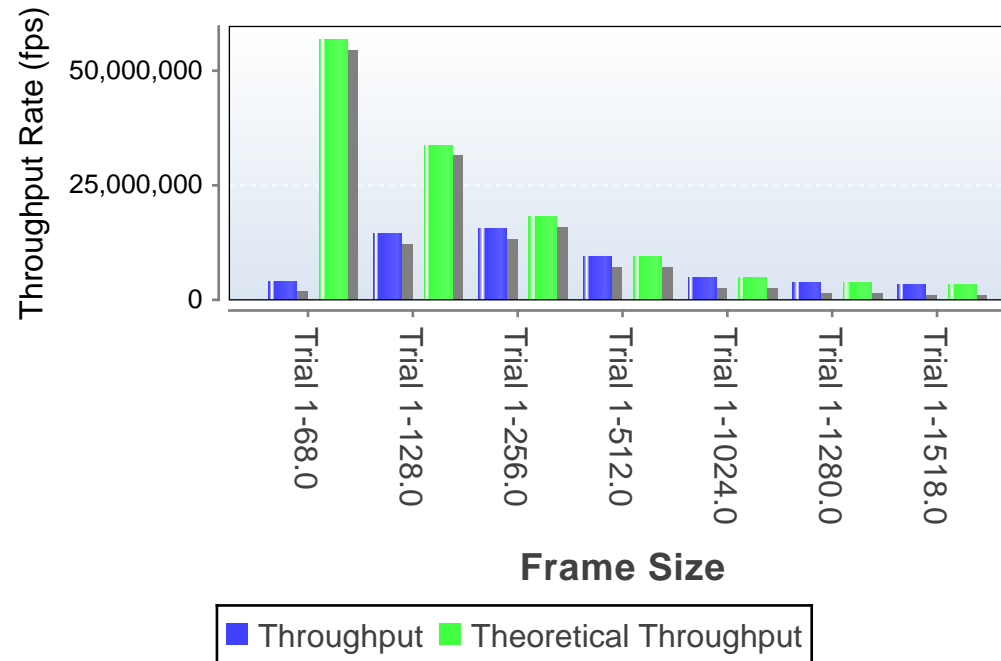
Counter Mode: Jitter

Test Date: 2019-03-19 11:09:06 CST





Throughput by Frame Size VS Theoretical Max

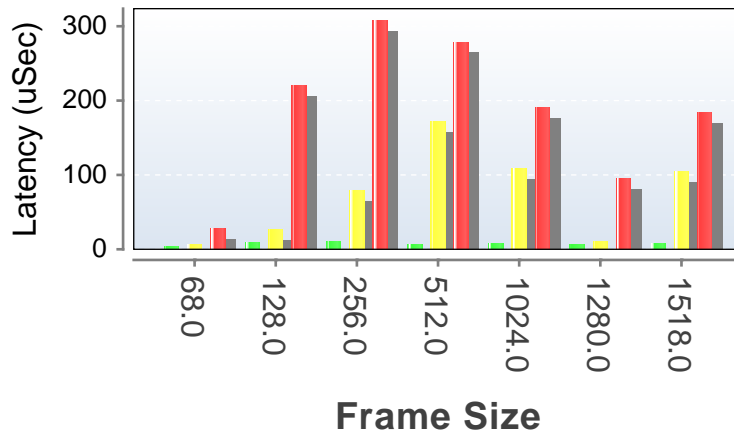


Total Trials	Number of Passed Trials	Frame Size (bytes)	Intended Load (%)	Offered Load (%)	Throughput (%)	Aggregated Throughput (fps)	Aggregated Theoretical Max (fps)	Aggregated Throughput (Mbps)
1	1	68	7.187	7.188	7.188	4083807	56818181	2875
1	1	128	43.047	43.047	43.047	14542864	33783783	17218.751
1	1	256	85.938	85.938	85.938	15568388	18115942	34375.001
1	1	512	100	100	100	9398496	9398496	40000
1	1	1024	100	100	100	4789272	4789272	40000
1	1	1280	97.891	97.891	97.891	3765024	3846153	39156.251
1	1	1518	100	100	100	3250975	3250975	40000.001

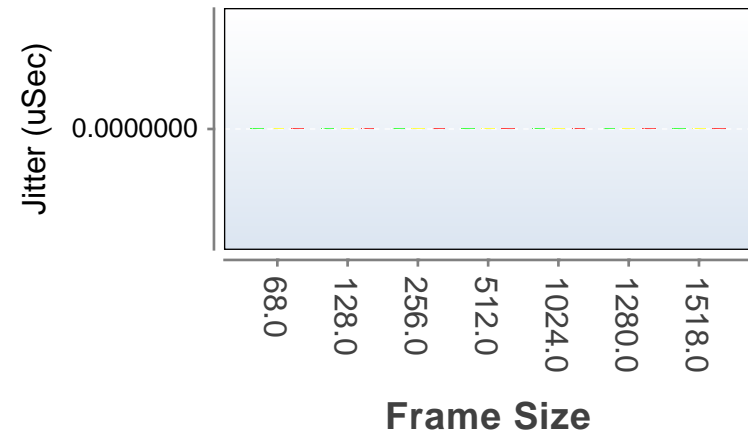
[illegible]



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	0.0219351712041594	4.71	7.636	16135.84	0	0	0
68	5.5	5.5	0	4.11	6.304	614.4	0	0	0
68	7.75	7.75	0.0000000378494597088	4.24	6.795	698.67	0	0	0
68	6.625	6.625	0	4.2	6.585	43.83	0	0	0
68	7.187	7.188	0	4.26	6.65	28.16	0	0	0

128	10	10	0	4.22	6.448	55.39	0	0	0
128	55	55	8.26469649720108	7.91	307.426	463.07	0	0	0
128	32.5	32.5	0	7.73	12.873	139.25	0	0	0
128	43.75	43.75	0.0000001127618976826	7.49	28.928	239.56	0	0	0
128	38.125	38.125	0	6.63	16.912	181.53	0	0	0
128	40.938	40.938	0	5.72	21.575	197.63	0	0	0
128	42.344	42.344	0	10.13	24.589	246.87	0	0	0
128	43.047	43.047	0	8.46	26.763	219.93	0	0	0
256	10	10	0	4.04	6.065	24.15	0	0	0
256	55	55	0	7.42	12.577	78.61	0	0	0
256	77.5	77.5	0	6.29	29.268	273.1	0	0	0
256	88.75	88.75	0.000159328438984833	9.68	104.797	357.11	0	0	0
256	83.125	83.125	0	12.71	47.434	321.69	0	0	0
256	85.938	85.938	0	10.78	79.374	308.23	0	0	0
256	87.344	87.344	0.0000102171010956284	11.3	95.533	335.39	0	0	0
256	86.641	86.641	0.0000001061857488616	8.5	89.449	291.87	0	0	0
512	10	10	0	3.26	4.565	27.01	0	0	0
512	55	55	0	6.2	8.756	33.76	0	0	0
512	77.5	77.5	0	7.58	11.42	38.61	0	0	0
512	88.75	88.75	0	7.6	13.529	48.13	0	0	0
512	94.375	94.375	0	7.11	14.891	52.62	0	0	0
512	97.188	97.188	0	7.79	15.925	96.55	0	0	0
512	98.594	98.594	0	7.38	17.183	74.52	0	0	0
512	99.297	99.297	0	9.39	18.746	97.81	0	0	0
512	100	100	0	6.72	171.325	278.74	0	0	0
1024	10	10	0	3.54	4.871	16.78	0	0	0
1024	55	55	0	5.14	7.501	58.21	0	0	0
1024	77.5	77.5	0	5.96	8.794	33.18	0	0	0

1024	88.75	88.75	0	6.91	9.609	32.62	0	0	0
1024	94.375	94.375	0	7.03	10.429	54.82	0	0	0
1024	97.188	97.188	0	7.19	11.004	35.05	0	0	0
1024	98.594	98.594	0	5.56	11.921	34.45	0	0	0
1024	99.297	99.297	0	7.47	12.944	35.36	0	0	0
1024	100	100	0	7.4	108.291	190.15	0	0	0
1280	10	10	0	3.74	5.054	29.08	0	0	0
1280	55	55	0	5.48	7.289	27.16	0	0	0
1280	77.5	77.5	0	5.33	8.407	31.86	0	0	0
1280	88.75	88.75	0	6.03	9.166	48.26	0	0	0
1280	94.375	94.375	0	7.06	9.851	33.29	0	0	0
1280	97.188	97.188	0	7.8	10.439	35.17	0	0	0
1280	98.594	98.594	0.0000004395139805178	6.99	11.084	34.32	0	0	0
1280	97.891	97.891	0	7.11	10.694	95.15	0	0	0
1518	10	10	0	3.83	5.206	25.92	0	0	0
1518	55	55	0	5.46	7.37	26.64	0	0	0
1518	77.5	77.5	0	5.85	8.256	35.86	0	0	0
1518	88.75	88.75	0	6.81	8.934	45.44	0	0	0
1518	94.375	94.375	0	6.22	9.455	34.05	0	0	0
1518	97.188	97.188	0	6.8	9.938	30.54	0	0	0
1518	98.594	98.594	0	7.75	10.627	35.31	0	0	0
1518	99.297	99.297	0	5.6	11.531	32.22	0	0	0
1518	100	100	0	7.59	104.639	184.18	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	7.187	7.188	7.188		4083807	56818181	2875	40000	0	False	False
						Port //2/1	1020951	14204545	718.75	10000			
						Port //2/2	1020951	14204545	718.75	10000			
						Port //2/3	1020951	14204545	718.75	10000			
						Port //2/4	1020951	14204545	718.75	10000			
1	128	Passed	43.047	43.047	43.047		14542864	33783783	17218.751	40000	0	False	False
						Port //2/1	3635716	8445945	4304.688	10000			
						Port //2/2	3635716	8445945	4304.688	10000			
						Port //2/3	3635716	8445945	4304.688	10000			
						Port //2/4	3635716	8445945	4304.688	10000			
1	256	Passed	85.938	85.938	85.938		15568388	18115942	34375.001	40000	0	False	False
						Port //2/1	3892097	4528985	8593.75	10000			
						Port //2/2	3892097	4528985	8593.75	10000			
						Port //2/3	3892097	4528985	8593.75	10000			
						Port //2/4	3892097	4528985	8593.75	10000			

1	512	Passed	100	100	100		9398496	9398496	40000	40000	0	False	False
						Port //2/1	2349624	2349624	10000	10000			
						Port //2/2	2349624	2349624	10000	10000			
						Port //2/3	2349624	2349624	10000	10000			
						Port //2/4	2349624	2349624	10000	10000			
1	1024	Passed	100	100	100		4789272	4789272	40000	40000	0	False	False
						Port //2/1	1197318	1197318	10000	10000			
						Port //2/2	1197318	1197318	10000	10000			
						Port //2/3	1197318	1197318	10000	10000			
						Port //2/4	1197318	1197318	10000	10000			
1	1280	Passed	97.891	97.891	97.891		3765024	3846153	39156.251	40000	0	False	False
						Port //2/1	941256	961538	9789.063	10000			
						Port //2/2	941256	961538	9789.063	10000			
						Port //2/3	941256	961538	9789.063	10000			
						Port //2/4	941256	961538	9789.063	10000			
1	1518	Passed	100	100	100		3250975	3250975	40000.001	40000	0	False	False
						Port //2/1	812743	812743	10000	10000			
						Port //2/2	812743	812743	10000	10000			
						Port //2/3	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



Blank