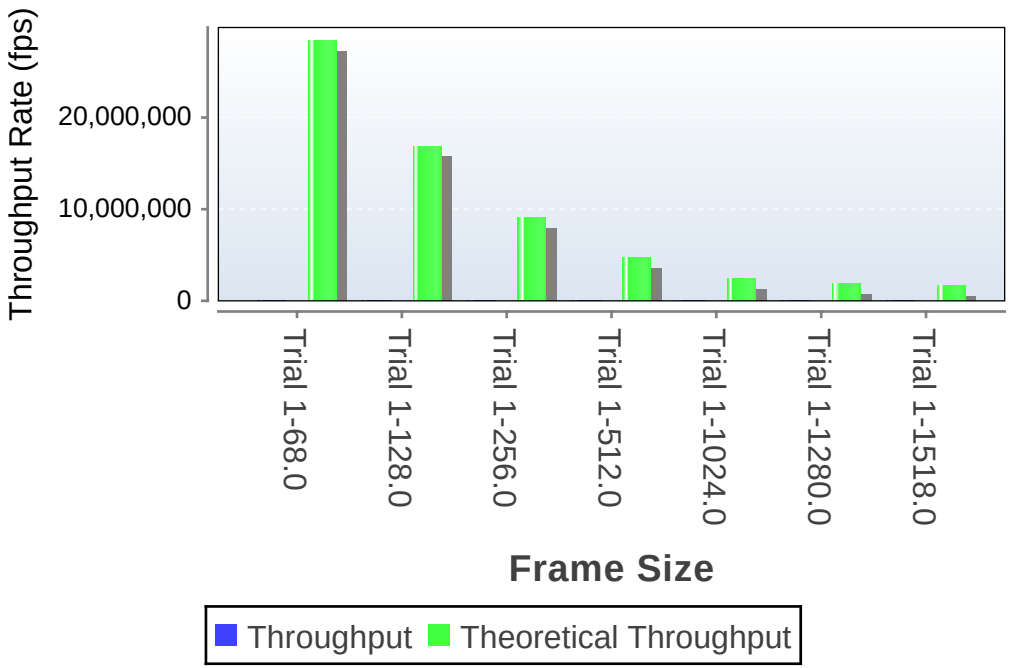
Spirent TestCenter Report

Test Type:	RFC2544 Throughput Test
Counter Mode:	Jitter
Test Date:	2019-02-27 14:10:15 CST

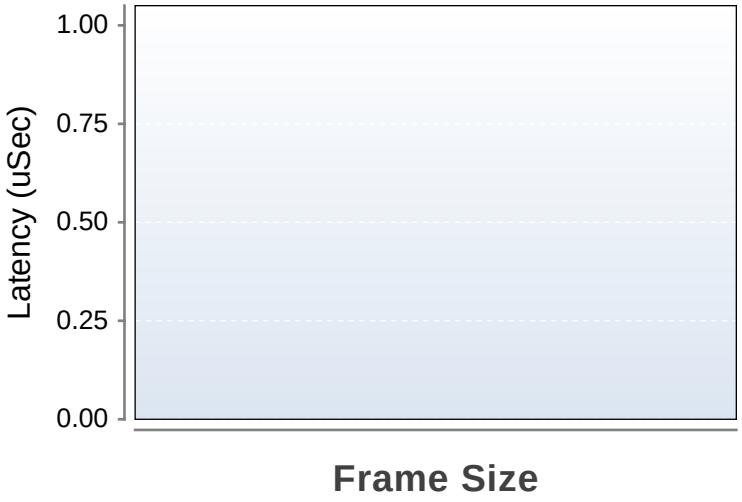
Throughput by Frame Size VS Theoretical Max



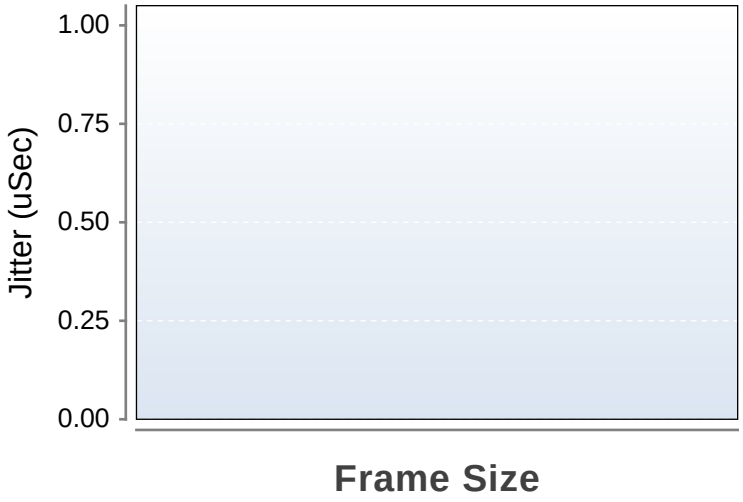
Total Trials	Number of Passed Trials	Frame Size (bytes)	Intended Load (%)	Offered Load (%)	Throughput (%)	Aggregated Throughput (fps)	Aggregated Theoretical Max (fps)	Aggregated Throughput (Mbps)
1	0	68	1	1	0	0	28409090	0
1	0	128	1	1	0	0	16891891	0
1	0	256	1	1	0	0	9057971	0
1	0	512	1	1	0	0	4699248	0
1	0	1024	1	1	0	0	2394636	0
1	0	1280	1	1	0	0	1923076	0
1	0	1518	1	1	0	0	1625487	0

Aggregated Theoretical Max (Mbps)
20000
20000
20000
20000
20000
20000
20000

Latency by Frame size at Throughput



Jitter by Frame size at Throughput



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	100	0	0	0	0	0	0
68	5.5	5.5	100	0	0	0	0	0	0
68	3.25	3.25	100	0	0	0	0	0	0
68	2.125	2.125	100	0	0	0	0	0	0
68	1.563	1.563	100	0	0	0	0	0	0

68	1	1	100	0	0	0	0	0	0
128	10	10	100	0	0	0	0	0	0
128	5.5	5.5	100	0	0	0	0	0	0
128	3.25	3.25	100	0	0	0	0	0	0
128	2.125	2.125	100	0	0	0	0	0	0
128	1.563	1.563	100	0	0	0	0	0	0
128	1	1	100	0	0	0	0	0	0
256	10	10	100	0	0	0	0	0	0
256	5.5	5.5	100	0	0	0	0	0	0
256	3.25	3.25	100	0	0	0	0	0	0
256	2.125	2.125	100	0	0	0	0	0	0
256	1.563	1.563	100	0	0	0	0	0	0
256	1	1	100	0	0	0	0	0	0
512	10	10	100	0	0	0	0	0	0
512	5.5	5.5	100	0	0	0	0	0	0
512	3.25	3.25	100	0	0	0	0	0	0
512	2.125	2.125	100	0	0	0	0	0	0
512	1.563	1.563	100	0	0	0	0	0	0
512	1	1	100	0	0	0	0	0	0
1024	10	10	100	0	0	0	0	0	0
1024	5.5	5.5	100	0	0	0	0	0	0
1024	3.25	3.25	100	0	0	0	0	0	0
1024	2.125	2.125	100	0	0	0	0	0	0
1024	1.563	1.563	100	0	0	0	0	0	0
1024	1	1	100	0	0	0	0	0	0
1280	10	10	100	0	0	0	0	0	0
1280	5.5	5.5	100	0	0	0	0	0	0
1280	3.25	3.25	100	0	0	0	0	0	0

1280	2.125	2.125	100	0	0	0	0	0	0
1280	1.563	1.563	100	0	0	0	0	0	0
1280	1	1	100	0	0	0	0	0	0
1518	10	10	100	0	0	0	0	0	0
1518	5.5	5.5	100	0	0	0	0	0	0
1518	3.25	3.25	100	0	0	0	0	0	0
1518	2.125	2.125	100	0	0	0	0	0	0
1518	1.563	1.563	100	0	0	0	0	0	0
1518	1	1	100	0	0	0	0	0	0

Throughput by Trial

Traffic Duration : 60 Seconds - Custom Frame Size(bytes) : {68 128 256 512 1024 1280 1518}

- -

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	Failed	1	1	0		0	28409090	0	20000	100	False	False
						Port //2/1	0	14204545	0	10000			
						Port //2/2	0	14204545	0	10000			
1	128	Failed	1	1	0		0	16891891	0	20000	100	False	False
						Port //2/1	0	8445945	0	10000			
						Port //2/2	0	8445945	0	10000			
1	256	Failed	1	1	0		0	9057971	0	20000	100	False	False
						Port //2/1	0	4528985	0	10000			
						Port //2/2	0	4528985	0	10000			
1	512	Failed	1	1	0		0	4699248	0	20000	100	False	False
						Port //2/1	0	2349624	0	10000			
						Port //2/2	0	2349624	0	10000			
1	1024	Failed	1	1	0		0	2394636	0	20000	100	False	False
						Port //2/1	0	1197318	0	10000			
						Port //2/2	0	1197318	0	10000			

1	1280	Failed	1	1	0		0	1923076	0	20000	100	False	False
						Port //2/1	0	961538	0	10000			
						Port //2/2	0	961538	0	10000			
1	1518	Failed	1	1	0		0	1625487	0	20000	100	False	False
						Port //2/1	0	812743	0	10000			
						Port //2/2	0	812743	0	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 (%)

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