



## Spirent TestCenter Report

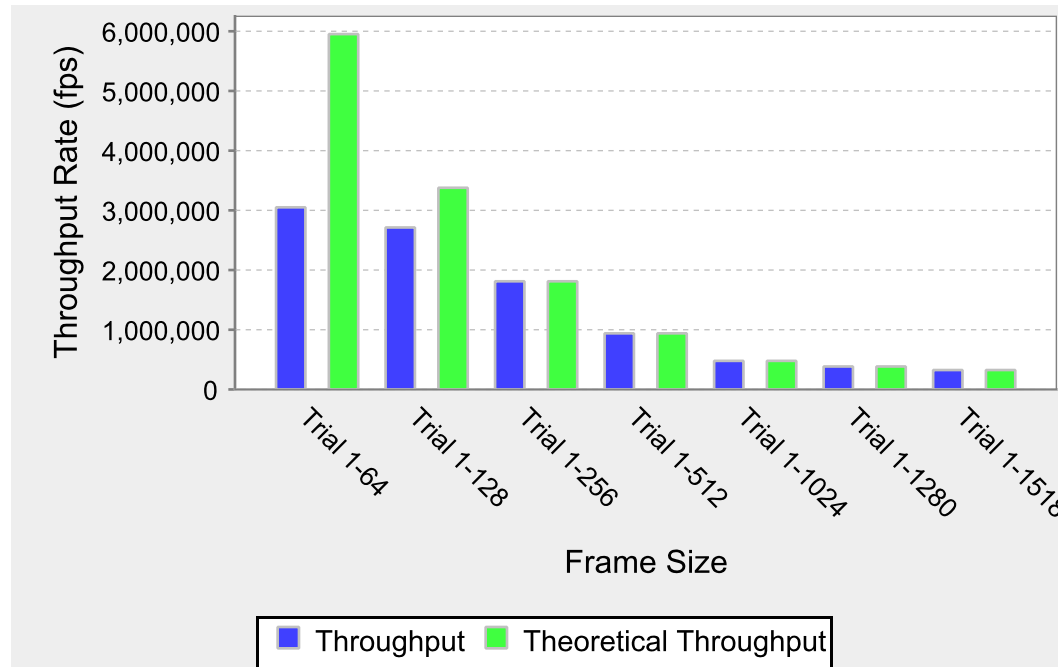
Test Type: RFC2544 Throughput Test

Counter Mode: Interarrivaltime

Test Date: 2009-03-27 10:13:37 GMT



## Throughput by Frame Size VS Theoretical Max



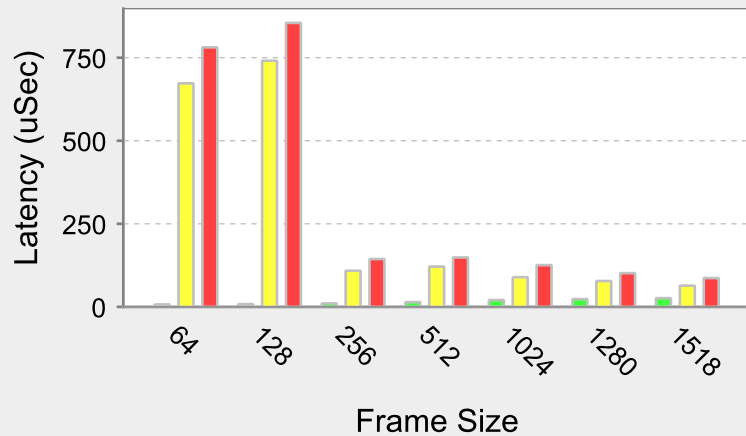
Frame Size (bytes)	Intended Load (%)	Offered Load (%)	Throughput (%)	Throughput (fps)	Theoretical Max Throughput (fps)
64	51.25	51.25	51.25	3,050,595	5,952,380
128	80.312	80.312	80.312	2,713,243	3,378,378
256	100	100	100	1,811,594	1,811,594
512	100	100	100	939,849	939,849
1,024	100	100	100	478,927	478,927
1,280	100	100	100	384,615	384,615

1,518	100	100	100	325,097	325,097
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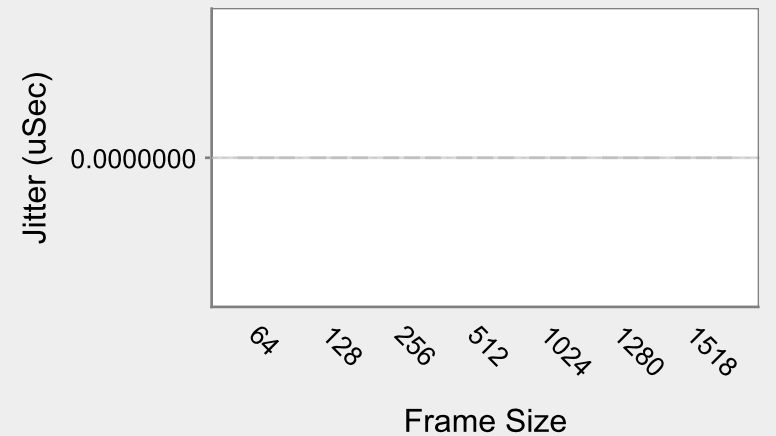


Note: Jitter measurements are only available when the test is run in the 'Jitter' mode.

### Latency by Frame size at Throughput



### Jitter by Frame size at Throughput



Legend: Min Latency (Green), Avg Latency (Yellow), Max Latency (Red)

Legend: Min Jitter (Green), Avg Jitter (Yellow), Max Jitter (Red)

Frame Size (bytes)	Intended Load (%)	Min Loss (%)	Latency Min (uSec)	Latency Avg (uSec)	Latency Max (uSec)	Jitter Min (uSec)	Jitter Avg (uSec)	Jitter Max (uSec)
64	47.5	0	6.21	9.07	126.39	0	0	0
64	51.25	0	7.37	672.7	781.08	0	0	0
64	52.187	0.427920747099766	6.31	1177.04	1293.83	0	0	0
64	53.125	2.29870801438896	6.63	1184.47	1296.71	0	0	0
64	55	5.55605921614989	7.03	1185.3	1294.21	0	0	0
64	70	25.7639583022133	6.88	1188.59	1294.43	0	0	0
64	100	48.1019563665071	6.98	1192.91	1296.24	0	0	0
128	70	0	6.99	8.96	127.67	0	0	0

128	77.5	0	7.64	10.27	128.99	0	0	0
128	79.375	0	7.94	11.49	128.98	0	0	0
128	80.312	0	8.36	740.75	854.7	0	0	0
128	81.25	0.267984702576325	8.18	1065.99	1181.92	0	0	0
128	85	4.67230649823598	7.84	1076.73	1183.49	0	0	0
128	100	19.0420469181309	9.27	1080.58	1184.63	0	0	0
256	100	0	10.5	108.8	143.9	0	0	0
512	100	0	14.3	121.29	148.81	0	0	0
1024	100	0	20.52	89.47	125.68	0	0	0
1280	100	0	23.36	77.9	101.59	0	0	0
1518	100	0	26.28	63.91	86.8	0	0	0



## Throughput by Trial

Trial Duration : 5.0 30.0 Seconds

Initial rate(%) : 10.0 100.0

Custom Frame Size(bytes) : 64 {64 128 256 512 1024 1280 1518}

Mode : Bidirectional

Maximum rate(%) :100.0

Trial	Frame Size (bytes)	Result	Intended Load (%)	Offered Load (%)	Throughput (%)	Throughput (fps)	Theoretical Max Throughput (fps)	Loss (%)	Max Latency Threshold Exceeded	Out of Sequence Threshold Exceeded
1	64	Passed	51.25	51.25	51.25	3050595	5952380	0	False	False
1	128	Passed	80.312	80.312	80.312	2713243	3378378	0	False	False
1	256	Passed	100	100	100	1811594	1811594	0	False	False
1	512	Passed	100	100	100	939849	939849	0	False	False
1	1024	Passed	100	100	100	478927	478927	0	False	False
1	1280	Passed	100	100	100	384615	384615	0	False	False
1	1518	Passed	100	100	100	325097	325097	0	False	False



## 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 (%)
N/A	N/A	N/A	N/A	N/A	N/A	N/A



## 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
10 Gigabit Ethernet	10,000	14,880,952	8,445,945	4,528,985	2,349,624	1,197,318	961,538	812,743
Optical (OC-3)	155	238,153	130,816	68,800	35,315	17,895	14,355	12,125
Optical (OC-12)	622	952,615	523,267	275,200	141,262	71,583	57,421	48,501
Optical (OC-48)	2,488	3,810,461	2,093,070	1,100,800	565,049	286,335	229,687	194,005
Optical (OC-192)	9,953	15,241,846	8,372,281	4,403,200	2,260,197	1,145,341	918,751	776,020



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Template Version: R2C

RunTime Start Data Set ID: 1

RunTime End Data Set ID: 20

RR Template Saved Timestamp: Wed Sep 10 16:11:38.974 PDT 2008

