

RFC 2544 - THROUGHPUT Test

Test duration (sec): 1.0  
 Number of pairs: 2  
 Number of trials: 1  
 Date: 29-Mar-2012  
 Time: 7:31 PM



Maximum port-pair throughput with no loss

	64	128	256	512
Frame size	64	128	256	512
Maximum physical port speed (Mbps)	10000	10000	10000	10000
Configurable maximum speed (Mbps)	n/a	n/a	n/a	n/a
10000 Mbps maximum Rate (fps)	14880952	8445946	4528986	2349624
Passed rate (%)	81.3	100.0	100.0	100.0
Acceptable loss percent	0.00	0.00	0.00	0.00
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<0-to-1> (fps)	12100822	8445945	4528985	2349624
<1-to-0> (fps)	12100822	8445945	4528985	2349624
<0-to-1> (%)	81.32	100.00	100.00	100.00
<1-to-0> (%)	81.32	100.00	100.00	100.00
<0-to-1> (Mbps)	8131.8	10000.0	10000.0	10000.0
<1-to-0> (Mbps)	8131.8	10000.0	10000.0	10000.0

Throughput SUMMARY: Total Port-Pairs

	64	128	256	512
Frame size	64	128	256	512
Passed rate (fps)	24201644	16891890	9057970	4699248
Passed rate (%)	81.32	100.00	100.00	100.00
Passed rate (Mbps)	16263.5	20000.0	20000.0	20000.0

Maximum port-pair throughput with no loss

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Frame size	1024	1280	1518
Maximum physical port speed (Mbps)	10000	10000	10000
Configurable maximum speed (Mbps)	n/a	n/a	n/a
10000 Mbps maximum Rate (fps)	1197318	961538	812744
Passed rate (%)	100.0	100.0	100.0
Acceptable loss percent	0.00	0.00	0.00

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<0-to-1> (fps)	1197318	961538	812743
<1-to-0> (fps)	1197318	961538	812743

<0-to-1> (%)	100.00	100.00	100.00
<1-to-0> (%)	100.00	100.00	100.00

<0-to-1> (Mbps)	10000.0	10000.0	10000.0
<1-to-0> (Mbps)	10000.0	10000.0	10000.0

Throughput SUMMARY: Total Port-Pairs

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Frame size	1024	1280	1518
Passed rate (fps)	2394636	1923076	1625486
Passed rate (%)	100.00	100.00	100.00
Passed rate (Mbps)	20000.0	20000.0	20000.0

**RFC 2544 - LOSS Test**

Test duration (sec): 1.0  
Number of pairs: 2  
Number of trials: 1  
Date: 29-Mar-2012  
Time: 7:34 PM

Port-Pair Packet Loss as a Percentage of total

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Frame size	64	128	256	512
Maximum physical port speed (Mbps)	10000	10000	10000	10000
Configurable maximum speed (Mbps)	n/a	n/a	n/a	n/a
Max attempted rate (%)	100.00	100.00	100.00	100.00
Max attempted rate (fps)	14880952	8445946	4528986	2349624
Max attempted rate (Mbps)	10000.0	10000.0	10000.0	10000.0
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<0-to-1> (loss %)	18.30	0.00	0.00	0.00
<1-to-0> (loss %)	18.31	0.00	0.00	0.00

Port-Pair Packet Loss as a Percentage of total

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Frame size	1024	1280	1518
Maximum physical port speed (Mbps)	10000	10000	10000
Configurable maximum speed (Mbps)	n/a	n/a	n/a
Max attempted rate (%)	100.00	100.00	100.00
Max attempted rate (fps)	1197318	961538	812744
Max attempted rate (Mbps)	10000.0	10000.0	10000.0
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<0-to-1> (loss %)	0.00	0.00	0.00
<1-to-0> (loss %)	0.00	0.00	0.00

**RFC 2544 - LATENCY Test**

Test duration (sec): 1.0  
 Number of pairs: 2  
 Number of trials: 1  
 Date: 29-Mar-2012  
 Time: 7:35 PM

Last-to-Last Latency in microseconds (us)

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Frame size	64	128	256	512
Maximum physical port speed (Mbps)	10000	10000	10000	10000
Configurable maximum speed (Mbps)	n/a	n/a	n/a	n/a
Load rate (%)	81.32	100.00	100.00	100.00
Load rate (fps)	12100823	8445946	4528986	2349624
Load rate (Mbps)	8131.8	10000.0	10000.0	10000.0
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<0-to-1> minimum latency (micro sec)	2.228	2.364	2.596	3.052
<0-to-1> average latency (micro sec)	71.591	2.434	2.654	3.139
<0-to-1> maximum latency (micro sec)	110.164	2.452	2.676	3.164
<1-to-0> minimum latency (micro sec)	2.228	2.380	2.628	3.060
<1-to-0> average latency (micro sec)	71.790	2.430	2.679	3.099
<1-to-0> maximum latency (micro sec)	110.148	2.452	2.700	3.124

Last-to-Last Latency in microseconds (us)

	1024	1280	1518
Frame size	1024	1280	1518
Maximum physical port speed (Mbps)	10000	10000	10000
Configurable maximum speed (Mbps)	n/a	n/a	n/a
Load rate (%)	100.00	100.00	100.00
Load rate (fps)	1197318	961538	812744
Load rate (Mbps)	10000.0	10000.0	10000.0
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<0-to-1> minimum latency (micro sec)	3.972	4.428	4.844
<0-to-1> average latency (micro sec)	4.117	4.661	5.208
<0-to-1> maximum latency (micro sec)	4.140	4.692	5.244
<1-to-0> minimum latency (micro sec)	4.116	4.876	4.956
<1-to-0> average latency (micro sec)	4.187	4.925	5.044
<1-to-0> maximum latency (micro sec)	4.212	4.948	5.068

**RFC 2544 - BACKTOBACK Test**

Test duration (sec): 1.0  
Number of pairs: 2  
Number of trials: 1  
Date: 29-Mar-2012  
Time: 7:39 PM

Port-Pair Back-to-back

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Frame size	64	128	256	512
Maximum physical port speed (Mbps)	10000	10000	10000	10000
Configurable maximum speed (Mbps)	n/a	n/a	n/a	n/a
10000 Mbps offered (fps)	14880952	8445946	4528986	2349624
Burst seconds	1.00	1.00	1.00	1.00
Max offered rate (%)	100.00	100.00	100.00	100.00
Max offered rate (fps)	14880952	8445946	4528986	2349624
Max offered rate (Mbps)	10000.0	10000.0	10000.0	10000.0
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<0-to-1> (burst size)	7862	8445945	4528985	2349624
<1-to-0> (burst size)	7862	8445945	4528985	2349624

Back-to-back SUMMARY: Total Port-Pairs

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Frame size	64	128	256	512
Frames received	15724	16891890	9057970	4699248

Port-Pair Back-to-back

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Frame size	1024	1280	1518
Maximum physical port speed (Mbps)	10000	10000	10000
Configurable maximum speed (Mbps)	n/a	n/a	n/a
10000 Mbps offered (fps)	1197318	961538	812744
Burst seconds	1.00	1.00	1.00
Max offered rate (%)	100.00	100.00	100.00
Max offered rate (fps)	1197318	961538	812744
Max offered rate (Mbps)	10000.0	10000.0	10000.0
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<0-to-1> (burst size)	1197318	961538	812743
<1-to-0> (burst size)	1197318	961538	812743

Back-to-back SUMMARY: Total Port-Pairs

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Frame size	1024	1280	1518
Frames received	2394636	1923076	1625486