

# IxChariot

**Summary - C:\Users\Brian Dipert\Documents\My Dropbox\AnandTech\Powerline networking\IxChariot\SigmaDesignsHomePlugAV\TCP\1 to 3 (Quad)\1to3TCPQuad.tst**

<b>Console version</b>	7.10 SP4
<b>Console build level</b>	207
<b>Console product type</b>	IxChariot Eval
<b>Filename</b>	C:\Users\Brian Dipert\Documents\My Dropbox\AnandTech\Powerline networking\IxChariot\SigmaDesignsHomePlugAV\TCP\1 to 3 (Quad)\1to3TCPQuad.tst
<b>Run start time</b>	Tuesday, August 09, 2011, 6:16:37 PM
<b>Run end time</b>	Tuesday, August 09, 2011, 6:17:56 PM
<b>Elapsed time</b>	00:01:19
<b>How the test ended</b>	Ran to completion
<b>Number of pairs</b>	4

# Run Options

End type	Run until any pair ends
Reporting type	Real-time
Automatically poll endpoints	Yes
Polling interval (minutes)	1
Stop run upon initialization failure	Yes
Connect timeout during test (minutes)	0
Stop test after this many running pairs fail	1
Collect endpoint CPU utilization	No
Collect TCP statistics	No
Allow pair reinitialization for setup	No
Maximum number of setup reinitializations	3
Setup reinitialization wait interval (milliseconds)	10
Allow pair reinitialization at runtime	No
Maximum number of runtime reinitializations	3
Runtime reinitialization wait interval (milliseconds)	10
Validate data upon receipt	No
Use a new seed for random variables on every run	Yes
Enable Ixia hardware timestamps	Yes
Clock synchronization	'Endpoint synchronization'
Console Service Quality	
Endpoint Service Quality	
Number of Overlapped Sends	4

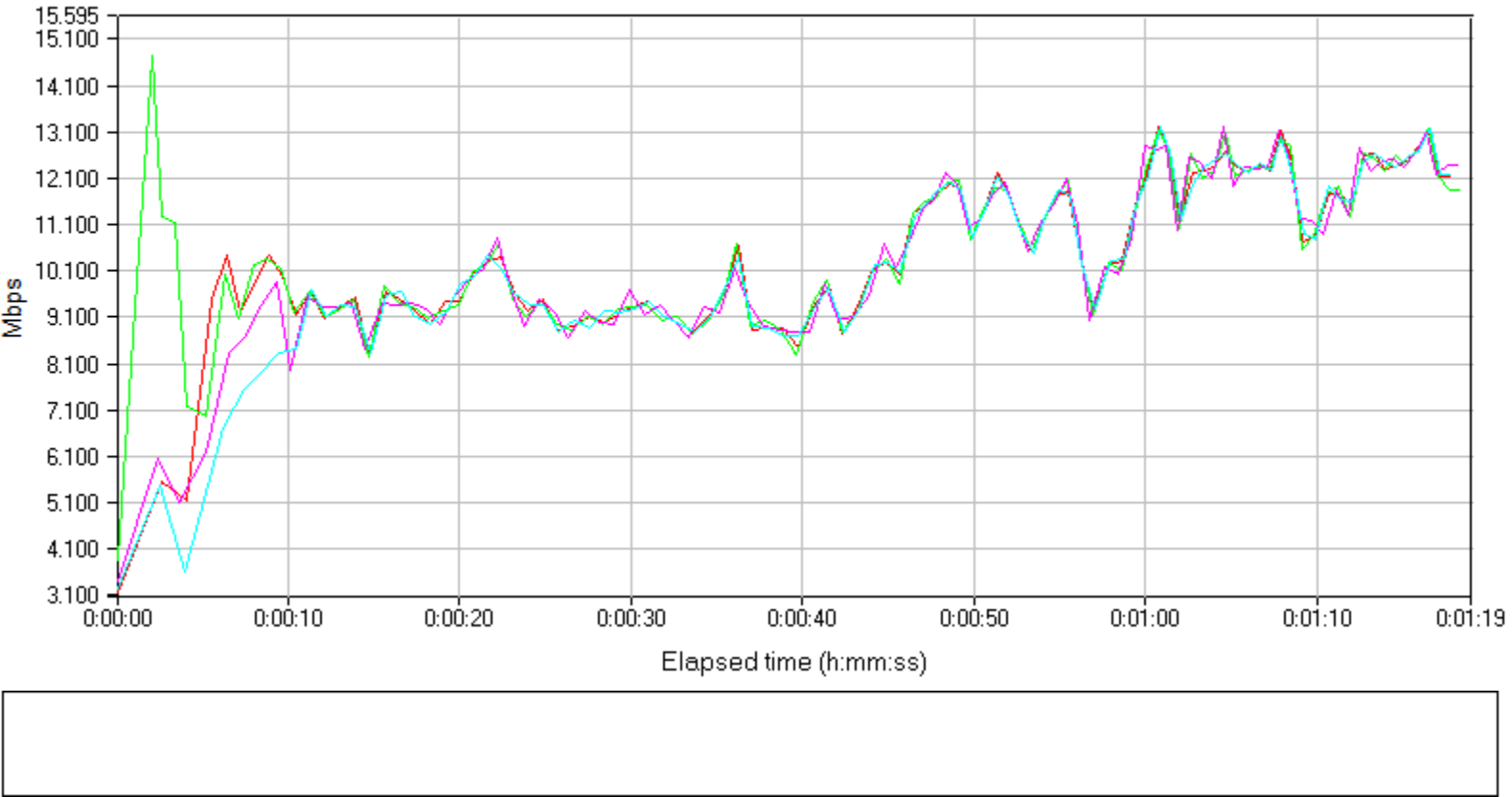
## Test Execution (Endpoint 1 to Endpoint 2)

Group/ Pair	Endpoint 1	Endpoint 2	Network Protocol	Endpoint 1 Service Quality	Endpoint 2 Service Quality	Script/Stream Name
All Pairs						
Pair 1	10.0.1.140	10.0.1.141	TCP			Throughput_10x.scr
Pair 2	10.0.1.140	10.0.1.141	TCP			Throughput_10x.scr
Pair 3	10.0.1.140	10.0.1.141	TCP			Throughput_10x.scr
Pair 4	10.0.1.140	10.0.1.141	TCP			Throughput_10x.scr

Throughput

Group/ Pair	Average (Mbps)	Minimum (Mbps)	Maximum (Mbps)	Throughput 95% Confidence Interval	Measured Time (secs)	Relative Precision
All Pairs	39.690	3.178	14.760			
Pair 1	9.986	3.178	13.223	0.571	77.705	5.717
Pair 2	10.211	3.867	14.760	0.446	78.349	4.366
Pair 3	9.917	3.414	13.223	0.543	78.249	5.477
Pair 4	9.773	3.255	13.223	0.640	77.762	6.543
Totals:	39.690	3.178	14.760			

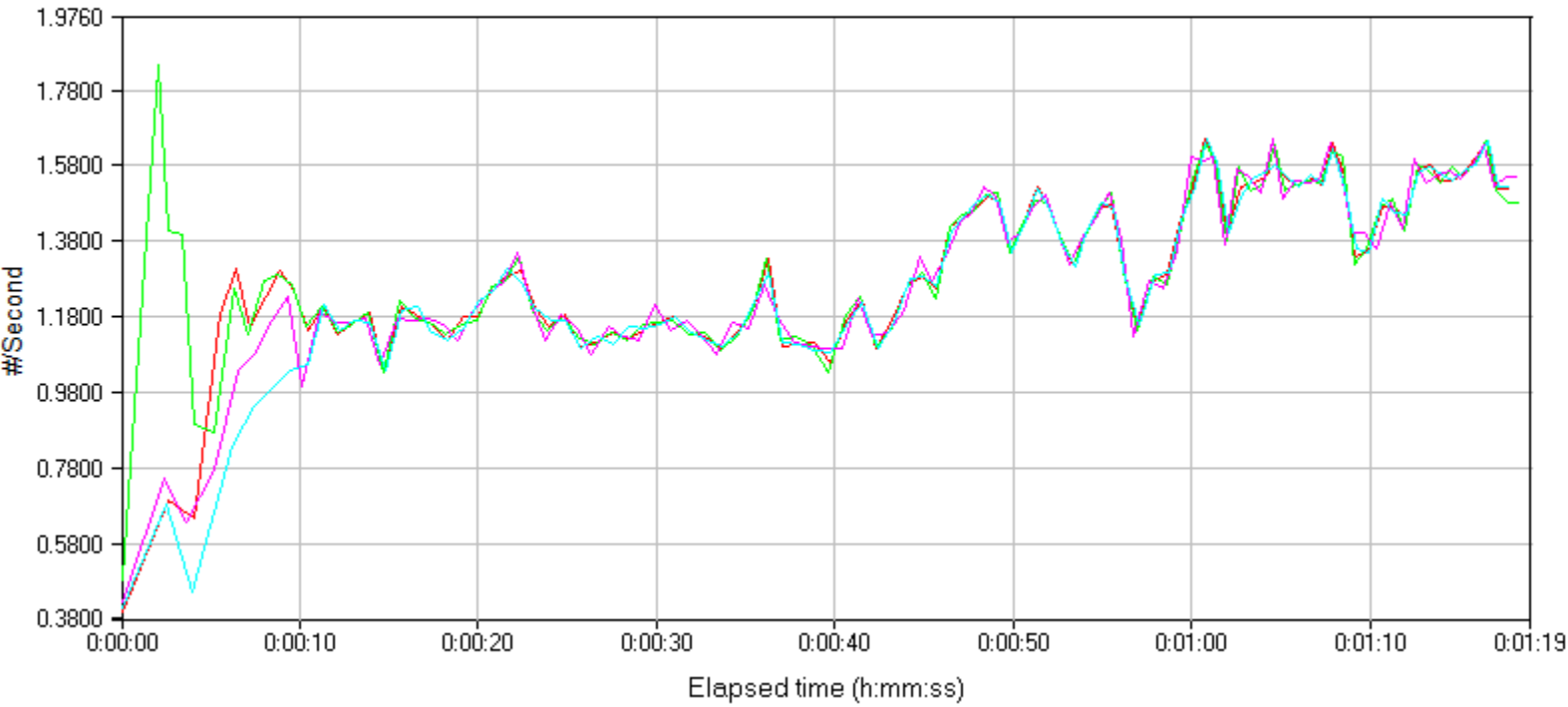
Throughput



Transaction Rate

Group/ Pair	Transaction Rate Average	Transaction Rate Minimum	Transaction Rate Maximum	Transaction Rate 95% Confidence Interval	Measured Time (secs)	Relative Precision
All Pairs	4.986	0.397	1.845			
Pair 1	1.248	0.397	1.653	0.071	77.705	5.717
Pair 2	1.276	0.483	1.845	0.056	78.349	4.366
Pair 3	1.240	0.427	1.653	0.068	78.249	5.477
Pair 4	1.222	0.407	1.653	0.080	77.762	6.543
Totals:	4.986	0.397	1.845			

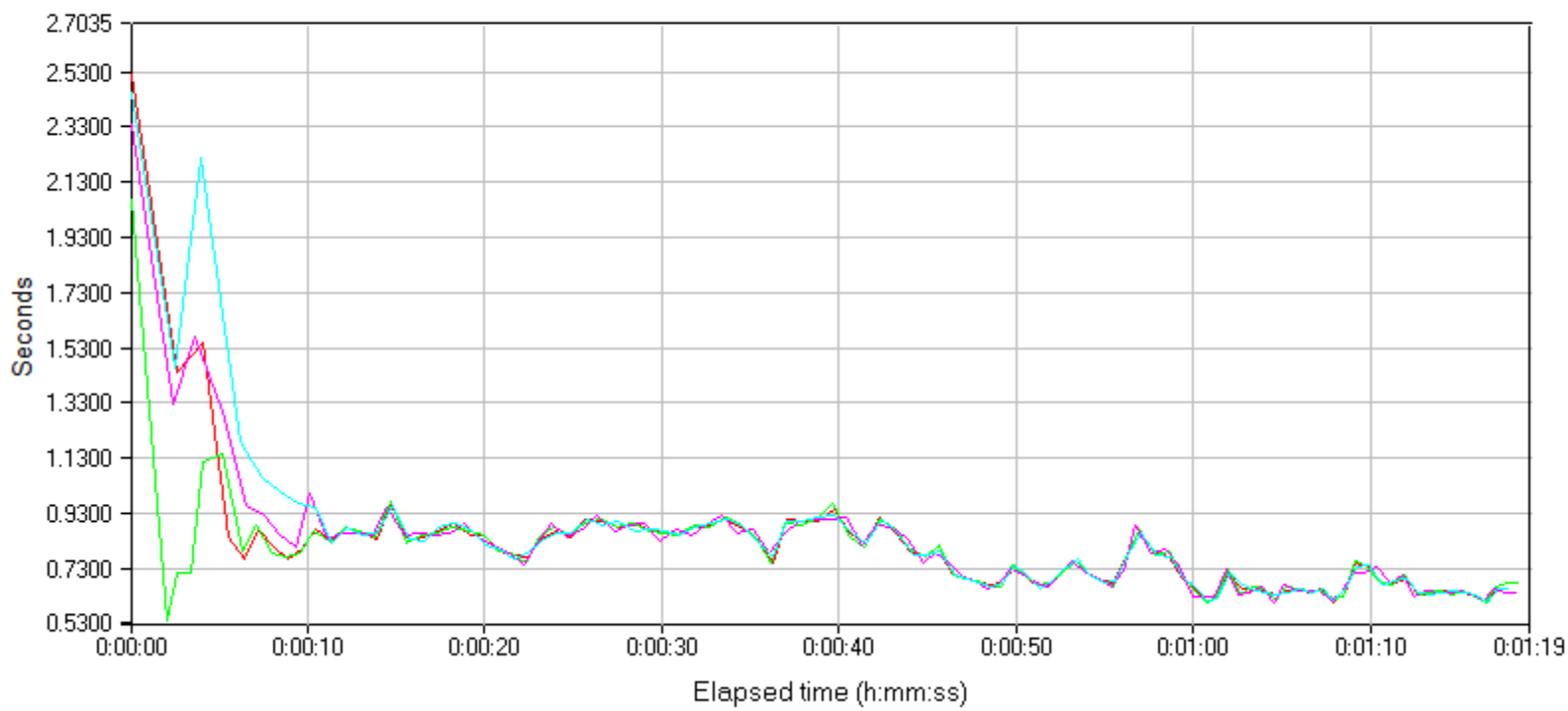
Transaction rate



Response Time

Group/ Pair	Response Time Average	Response Time Minimum	Response Time Maximum	Response Time 95% Confidence Interval	Measured Time (secs)	Relative Precision
All Pairs	0.802	0.542	2.517			
Pair 1	0.801	0.605	2.517	0.046	77.705	5.717
Pair 2	0.783	0.542	2.069	0.034	78.349	4.366
Pair 3	0.807	0.605	2.343	0.044	78.249	5.477
Pair 4	0.819	0.605	2.458	0.054	77.762	6.543
Totals:	0.802	0.542	2.517			

## Response time



This network performance test was created and run using Ixia's *IxChariot*. Visit the [Ixia home page](#) for more information.