

# IxChariot

**Summary - C:\Users\Brian Dipert\Documents\My Dropbox\AnandTech\Powerline networking\IxChariot\SigmaDesignsHomePlugAV\TCP\2 to 1 (Quad)\2to1TCPQuad.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\2 to 1 (Quad)\2to1TCPQuad.tst
<b>Run start time</b>	Tuesday, August 09, 2011, 7:03:03 PM
<b>Run end time</b>	Tuesday, August 09, 2011, 7:04:43 PM
<b>Elapsed time</b>	00:01:40
<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

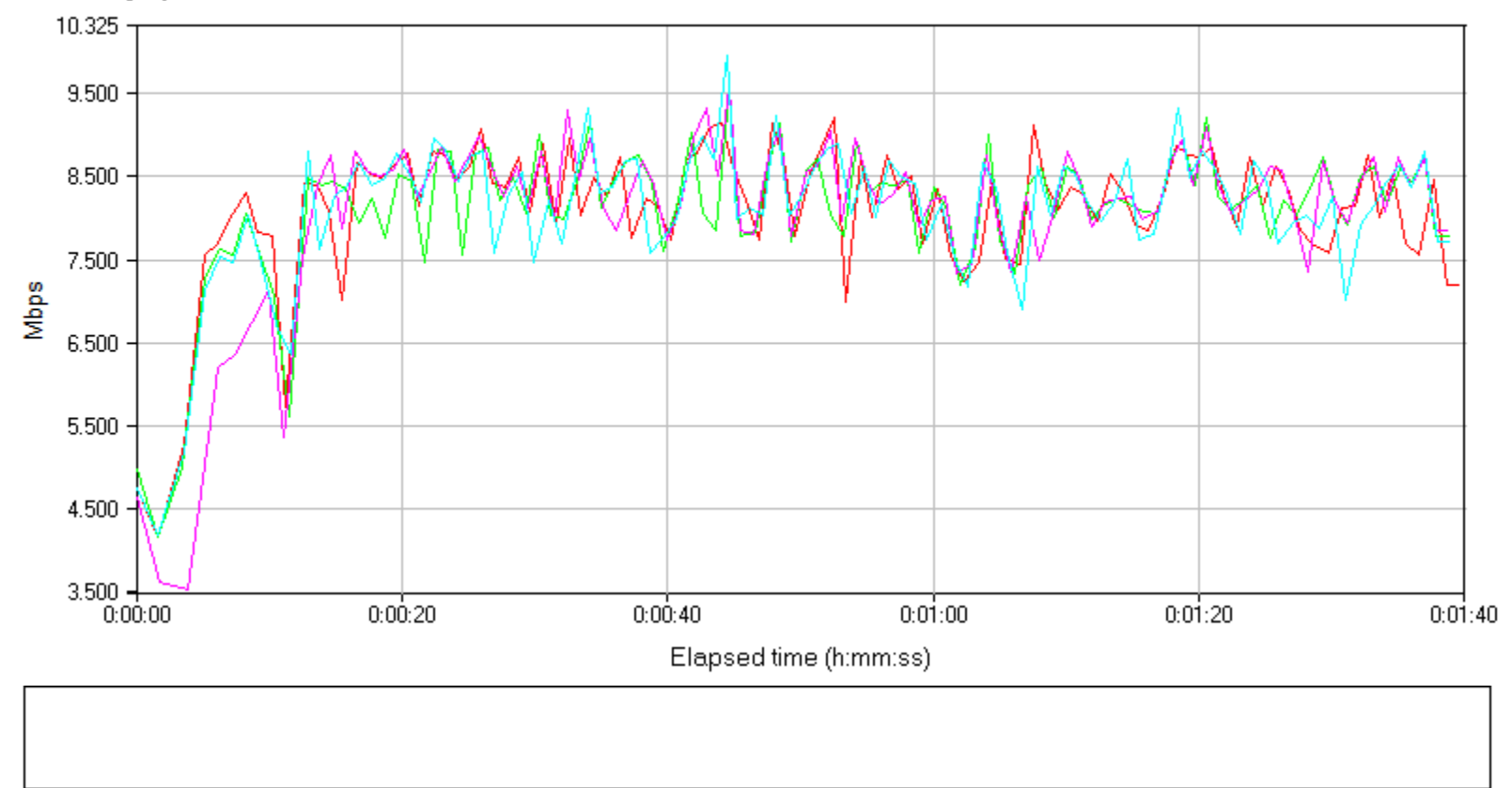
## Test Execution (Endpoint 1 to Endpoint 2)

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

# Throughput

Group/ Pair	Average (Mbps)	Minimum (Mbps)	Maximum (Mbps)	Throughput 95% Confidence Interval	Measured Time (secs)	Relative Precision
All Pairs	31.770	3.532	9.963			
Pair 1	8.024	4.165	9.195	0.237	99.699	2.951
Pair 2	8.011	4.171	9.501	0.236	98.860	2.949
Pair 3	7.933	3.532	9.558	0.337	98.823	4.248
Pair 4	8.007	4.193	9.963	0.237	98.914	2.958
Totals:	31.770	3.532	9.963			

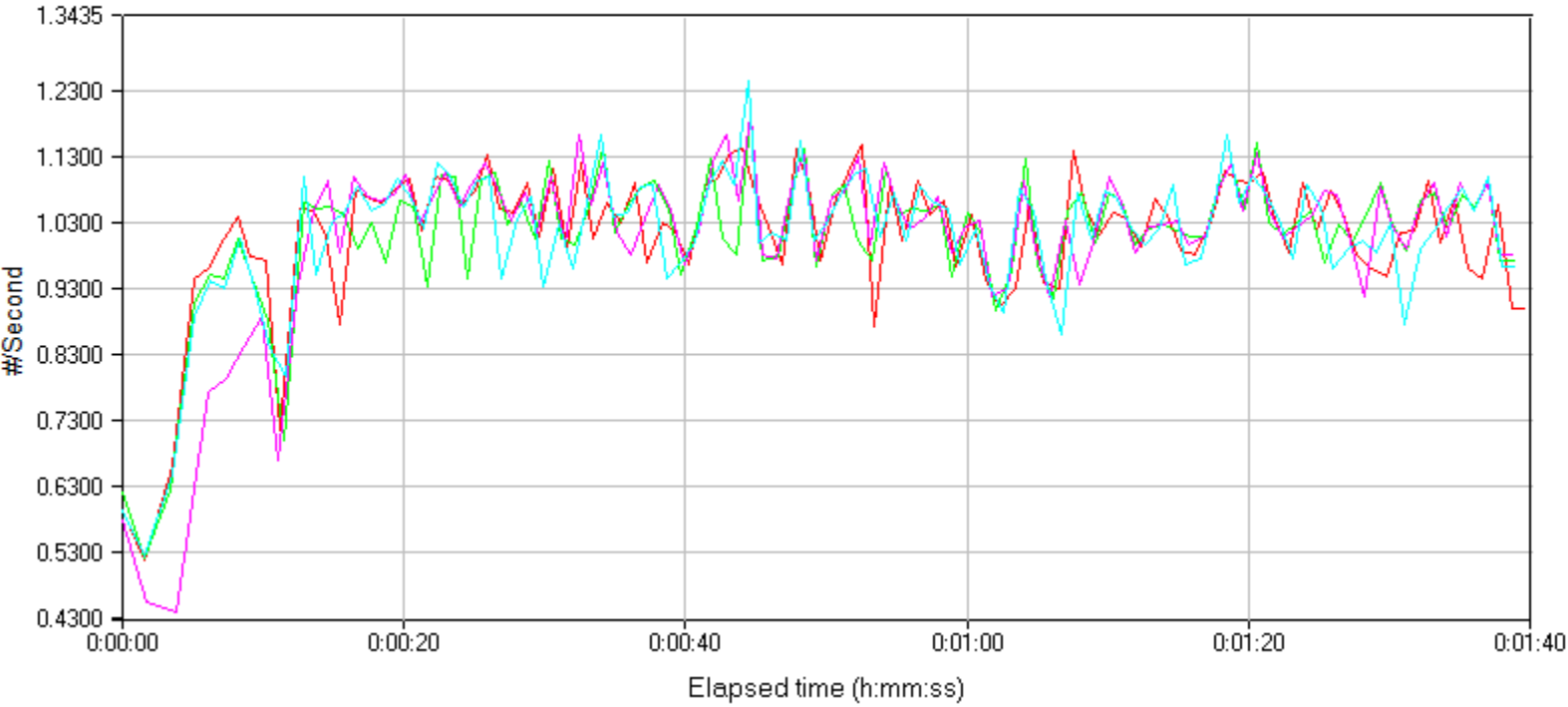
# Throughput



# 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	3.997	0.442	1.245			
Pair 1	1.003	0.521	1.149	0.030	99.699	2.951
Pair 2	1.001	0.521	1.188	0.030	98.860	2.949
Pair 3	0.992	0.442	1.195	0.042	98.823	4.248
Pair 4	1.001	0.524	1.245	0.030	98.914	2.958
Totals:	3.997	0.442	1.245			

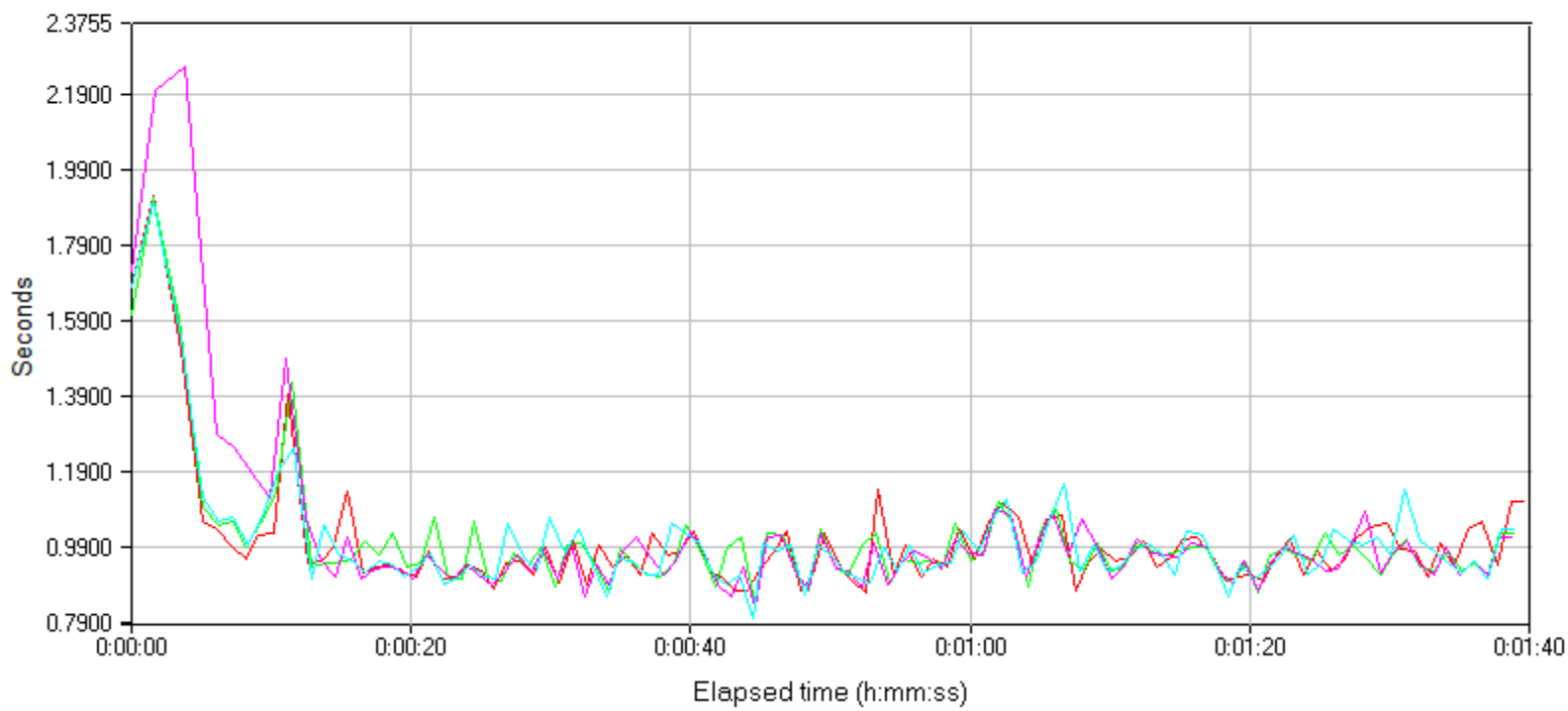
Transaction rate



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	1.001	0.803	2.265			
Pair 1	0.997	0.870	1.921	0.029	99.699	2.951
Pair 2	0.999	0.842	1.918	0.029	98.860	2.949
Pair 3	1.008	0.837	2.265	0.043	98.823	4.248
Pair 4	0.999	0.803	1.908	0.030	98.914	2.958
Totals:	1.001	0.803	2.265			

## Response time



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