

# IxChariot

**Summary - C:\Users\Brian Dipert\Documents\My  
Dropbox\AnandTech\Powerline  
networking\IxChariot\SigmaDesignsHomePlugAV\TCP\4 to 2 (Quad)  
\4to2TCPQuad.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\4 to 2 (Quad)\4to2TCPQuad.tst
<b>Run start time</b>	Tuesday, August 09, 2011, 6:52:07 PM
<b>Run end time</b>	Tuesday, August 09, 2011, 6:53:11 PM
<b>Elapsed time</b>	00:01:04
<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

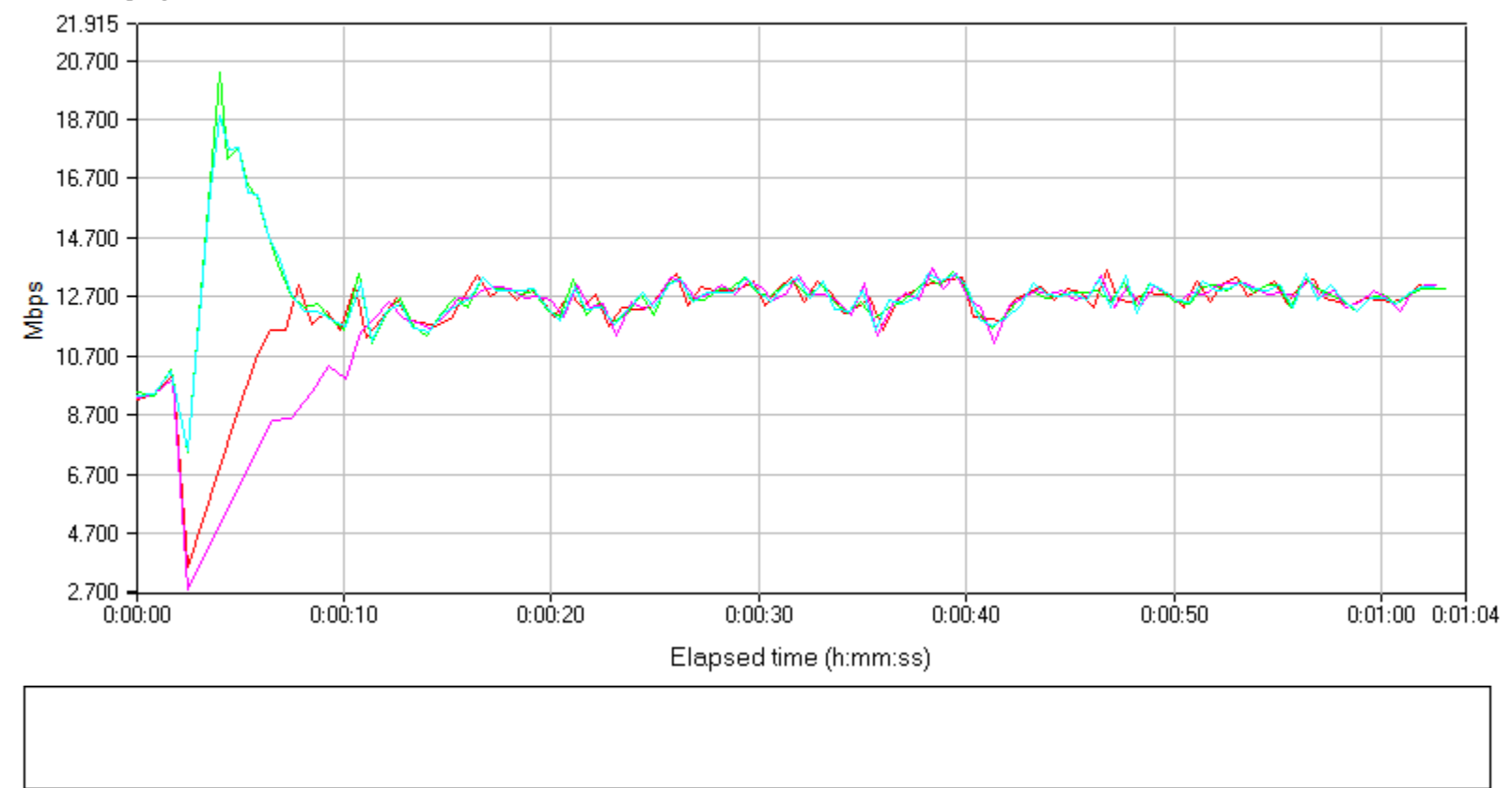
## Test Execution (Endpoint 1 to Endpoint 2)

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	48.879	2.780	20.305			
Pair 1	12.070	3.527	13.582	0.651	62.967	5.398
Pair 2	12.666	7.428	20.305	0.300	63.162	2.372
Pair 3	11.737	2.780	13.699	0.883	62.708	7.521
Pair 4	12.653	7.533	18.824	0.297	62.595	2.350
Totals:	48.879	2.780	20.305			

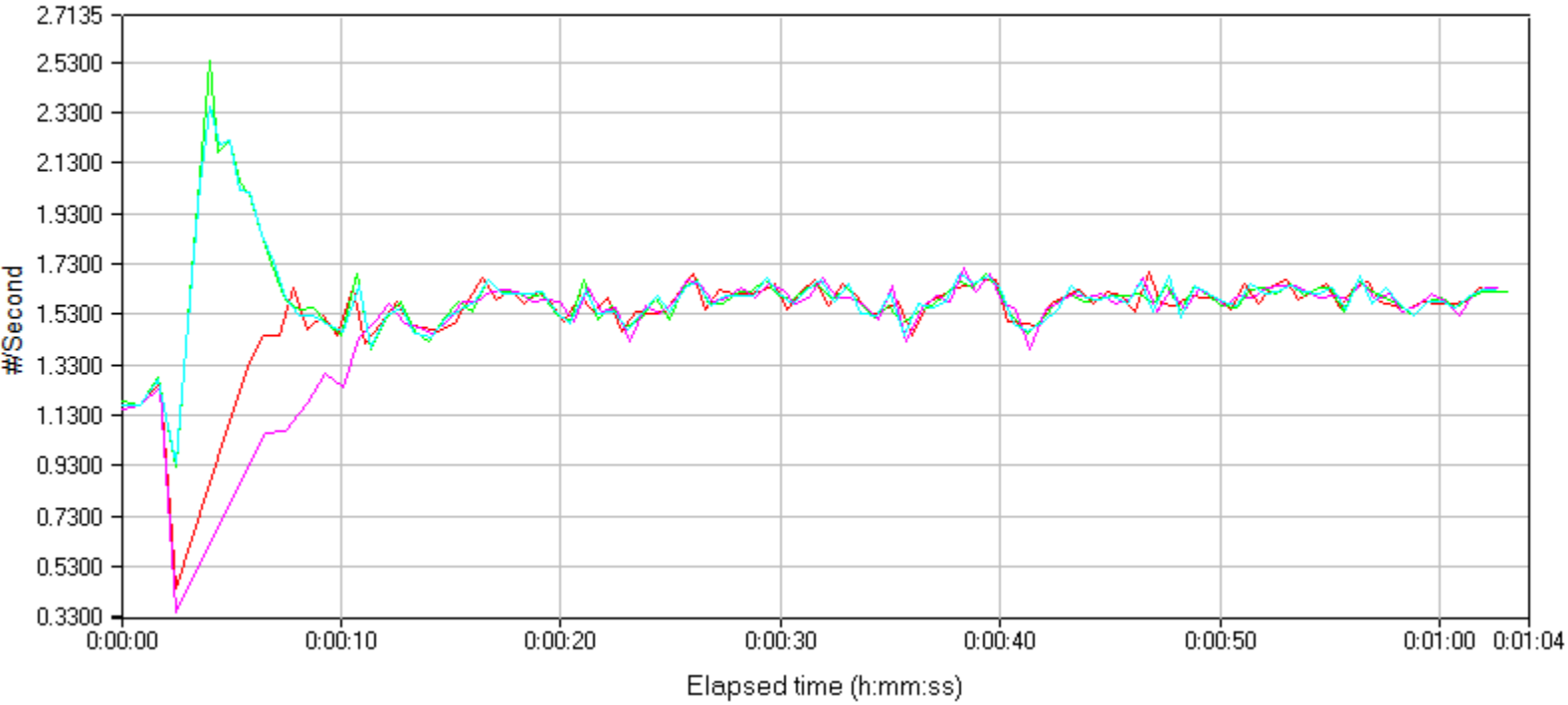
# Throughput



# 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	6.141	0.347	2.538			
Pair 1	1.509	0.441	1.698	0.081	62.967	5.398
Pair 2	1.583	0.929	2.538	0.038	63.162	2.372
Pair 3	1.467	0.347	1.712	0.110	62.708	7.521
Pair 4	1.582	0.942	2.353	0.037	62.595	2.350
Totals:	6.141	0.347	2.538			

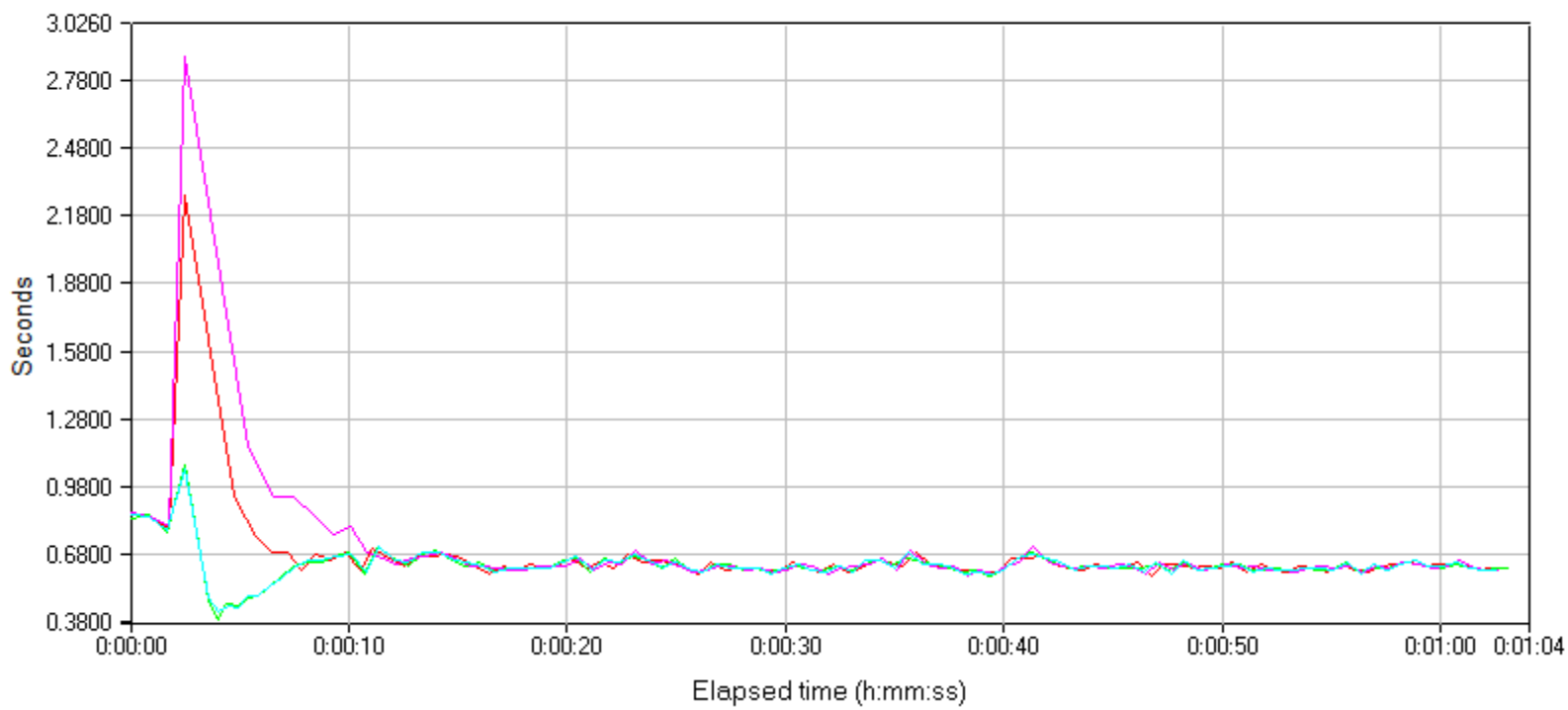
Transaction rate



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	0.652	0.394	2.878			
Pair 1	0.663	0.589	2.268	0.036	62.967	5.398
Pair 2	0.632	0.394	1.077	0.015	63.162	2.372
Pair 3	0.682	0.584	2.878	0.051	62.708	7.521
Pair 4	0.632	0.425	1.062	0.015	62.595	2.350
Totals:	0.652	0.394	2.878			

## Response time



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