

# IxChariot

**Summary - C:\Users\Brian Dipert\Documents\My Dropbox\AnandTech\Powerline networking\IxChariot\SigmaDesignsHomePlugAV\TCP\3 to 2 (Quad)\3to2TCPQuad.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\3 to 2 (Quad)\3to2TCPQuad.tst
<b>Run start time</b>	Tuesday, August 09, 2011, 6:27:50 PM
<b>Run end time</b>	Tuesday, August 09, 2011, 6:29:00 PM
<b>Elapsed time</b>	00:01:10
<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

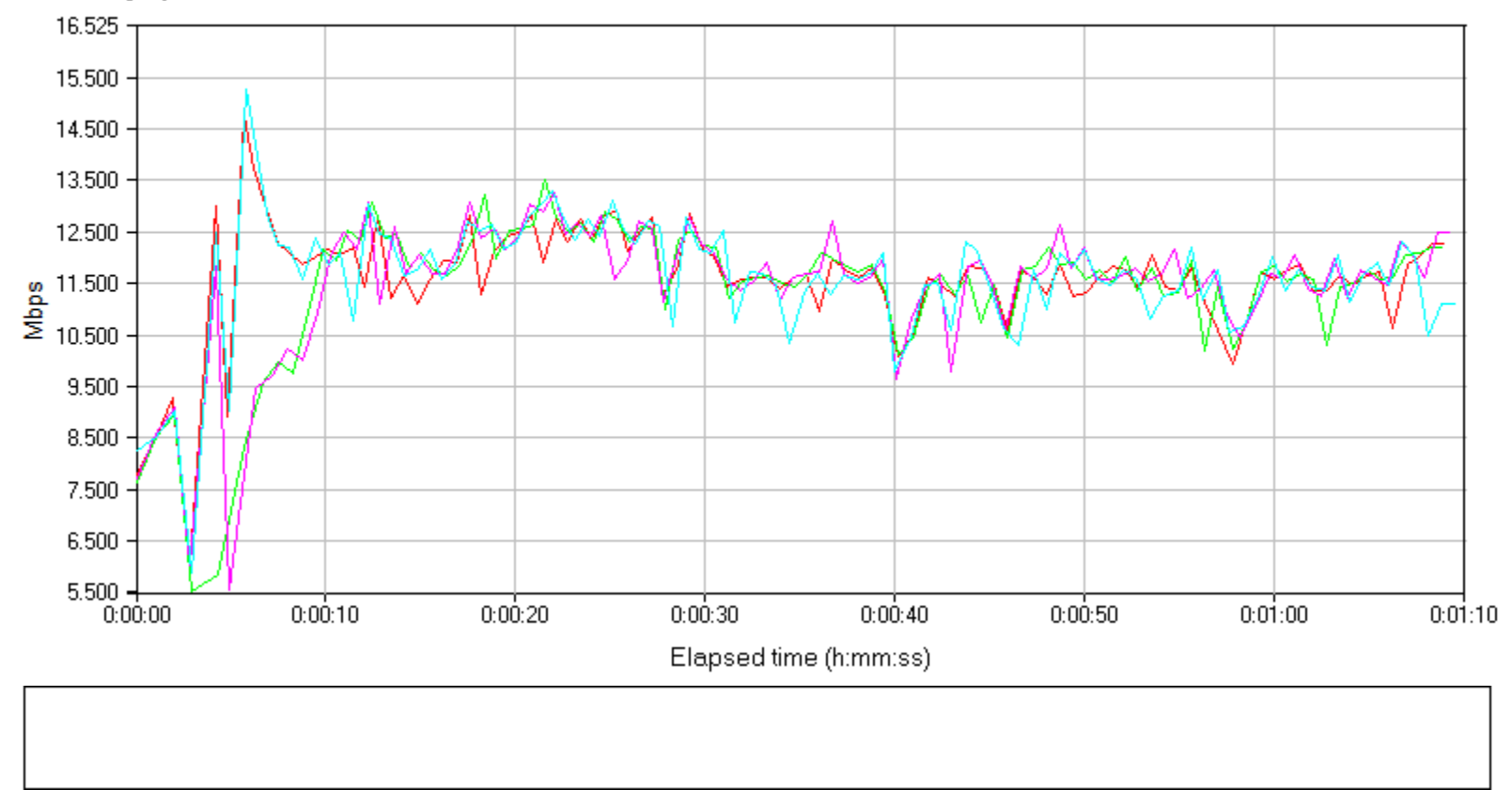
## Test Execution (Endpoint 1 to Endpoint 2)

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	45.338	5.533	15.267			
Pair 1	11.493	5.988	14.760	0.303	68.914	2.634
Pair 2	11.266	5.533	13.514	0.401	68.882	3.555
Pair 3	11.324	5.567	13.245	0.382	69.234	3.373
Pair 4	11.522	5.900	15.267	0.311	69.435	2.697
Totals:	45.338	5.533	15.267			

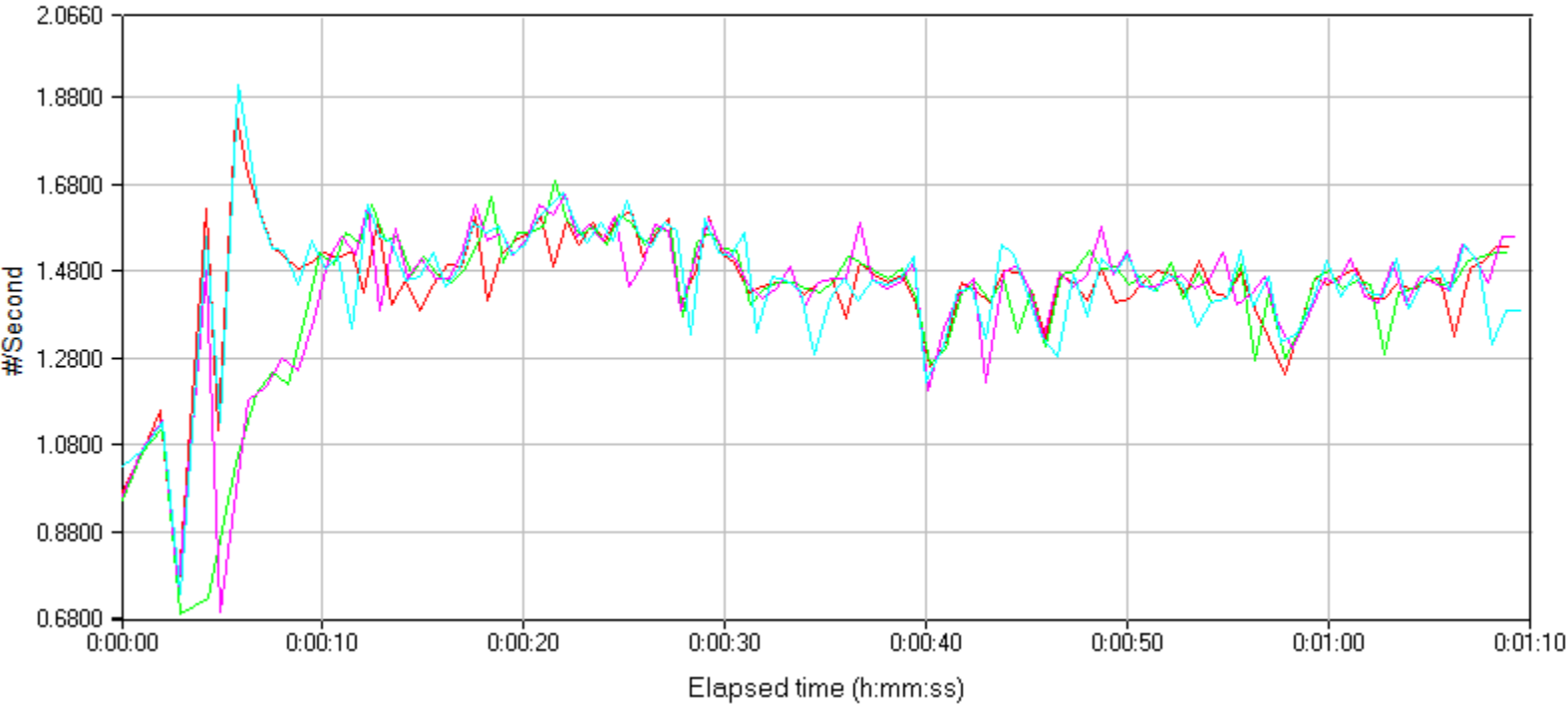
# Throughput



# 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	5.700	0.692	1.908			
Pair 1	1.437	0.749	1.845	0.038	68.914	2.634
Pair 2	1.408	0.692	1.689	0.050	68.882	3.555
Pair 3	1.415	0.696	1.656	0.048	69.234	3.373
Pair 4	1.440	0.737	1.908	0.039	69.435	2.697
Totals:	5.700	0.692	1.908			

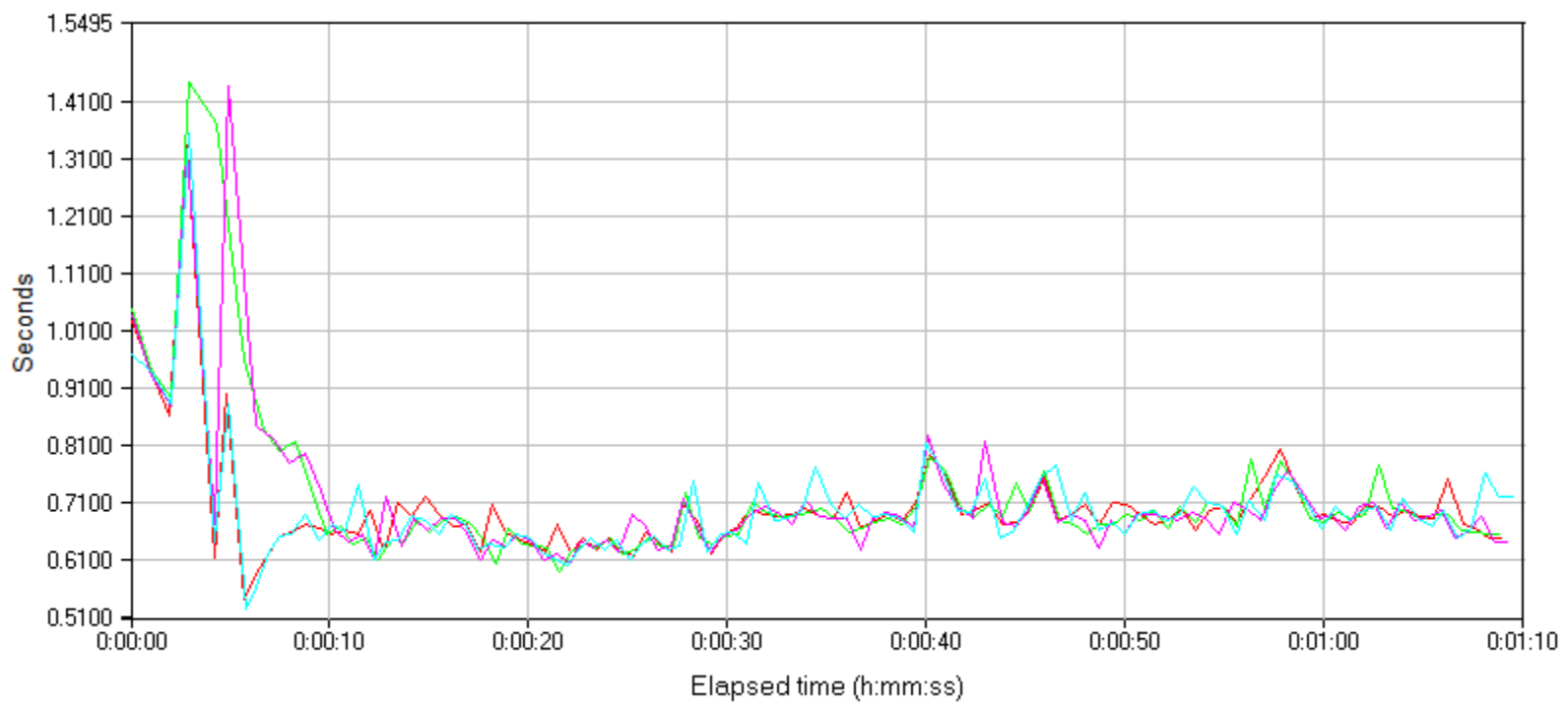
Transaction rate



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	0.702	0.524	1.446			
Pair 1	0.696	0.542	1.336	0.018	68.914	2.634
Pair 2	0.710	0.592	1.446	0.025	68.882	3.555
Pair 3	0.706	0.604	1.437	0.024	69.234	3.373
Pair 4	0.694	0.524	1.356	0.019	69.435	2.697
Totals:	0.702	0.524	1.446			

## Response time



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