

# IxChariot

## Summary - C:\Users\Brian Dipert\Documents\My Dropbox\AnandTech\Powerline networking\IxChariot\NETGEAR1901\UDP\1 to 4 (Quad)\1to4UDPQuad.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\NETGEAR1901\UDP\1 to 4 (Quad)\1to4UDPQuad.tst
<b>Run start time</b>	Monday, August 08, 2011, 7:49:03 AM
<b>Run end time</b>	Monday, August 08, 2011, 7:49:06 AM
<b>Elapsed time</b>	00:00:03
<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
Datagram window size (bytes)	1500
Datagram retransmission timeout (milliseconds)	200
Datagram number of retransmits before aborting	50
Receive Timeout (milliseconds)	10000
Time To Live (Hops)	32
Low sender jitter	No
Use RTP extended headers	No
Enable Ixia hardware timestamps	Yes
Clock synchronization	'Endpoint synchronization'
Console Service Quality	
Endpoint Service Quality	
Number of Overlapped Sends	4

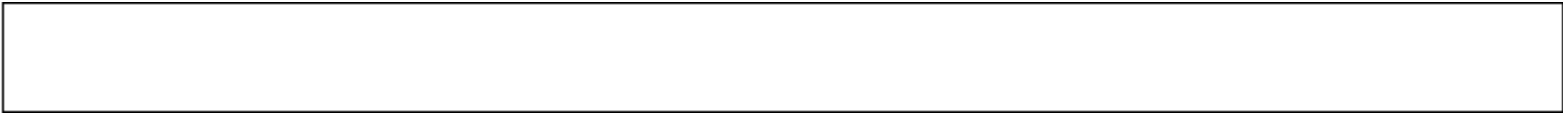
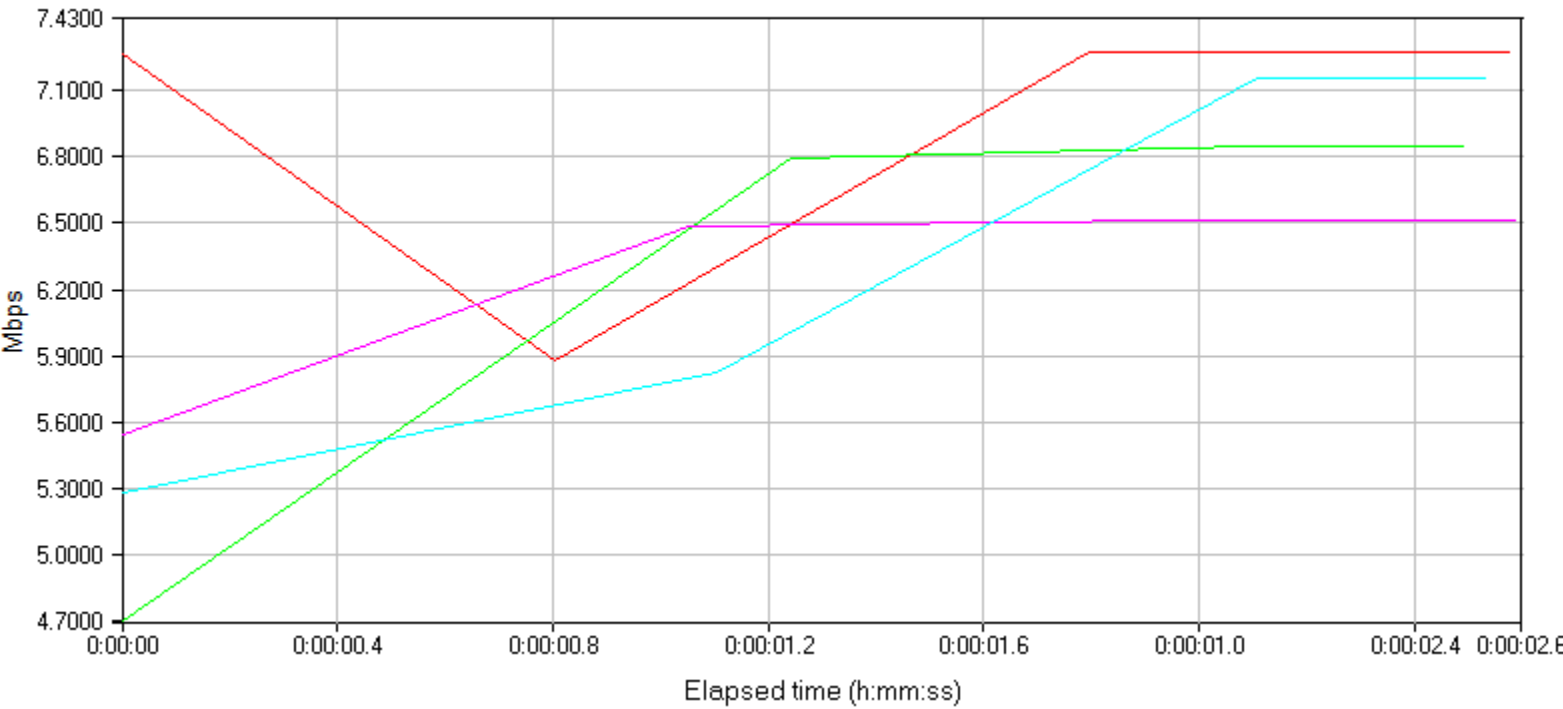
# Test Execution (Endpoint 1 to Endpoint 2)

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	UDP			UDP_Throughput.scr
Pair 2	10.0.1.141	10.0.1.140	UDP			UDP_Throughput.scr
Pair 3	10.0.1.141	10.0.1.140	UDP			UDP_Throughput.scr
Pair 4	10.0.1.141	10.0.1.140	UDP			UDP_Throughput.scr

## Throughput

Group/ Pair	Average (Mbps)	Minimum (Mbps)	Maximum (Mbps)	Throughput 95% Confidence Interval	Measured Time (secs)	Relative Precision
All Pairs	24.068	4.706	7.268			
Pair 1	6.733	5.881	7.268	2.264	2.578	33.631
Pair 2	5.763	4.706	6.843	7.279	2.497	126.310
Pair 3	6.111	5.546	6.509	3.700	2.590	60.548
Pair 4	5.815	5.285	7.150	6.236	2.535	107.249
Totals:	24.068	4.706	7.268			

Throughput



# Lost Data

Group/ Pair	Bytes Sent by E1	Bytes Received E2 (Streaming)	Bytes Lost from E1 to E2	Percent Bytes Lost E1 to E2	E1 Throughput (Mbps)	Maximum Consecutive Lost Datagrams	Measured Time (secs)	Relative Precision
All Pairs	292,000,000	7,789,100	284,210,900	97.333		n/a		
Pair 1	73,000,000	2,169,560	70,830,440	97.028	226.532	n/a	2.578	33.631
Pair 2	73,000,000	1,798,720	71,201,280	97.536	233.881	n/a	2.497	126.310
Pair 3	73,000,000	1,978,300	71,021,700	97.290	225.483	n/a	2.590	60.548
Pair 4	73,000,000	1,842,520	71,157,480	97.476	230.375	n/a	2.535	107.249
Totals:	292,000,000	7,789,100	284,210,900	97.333		n/a		

## Datagram (Endpoint 1)

Group/ Pair	Total Datagrams Sent by E1	Duplicate Datagrams Sent by E1	Total Datagrams Received by E1	Duplicate Datagrams Received by E1	Datagrams Lost, E1 to E2
All Pairs	200,000	n/a	n/a	n/a	194,665
Pair 1	50,000	n/a	n/a	n/a	48,514
Pair 2	50,000	n/a	n/a	n/a	48,768
Pair 3	50,000	n/a	n/a	n/a	48,645
Pair 4	50,000	n/a	n/a	n/a	48,738
Totals:	200,000	n/a	n/a	n/a	194,665

## Datagram (Endpoint 2)

Group/ Pair	Total Datagrams Sent by E2	Duplicate Datagrams Sent by E2	Total Datagrams Received by E2	Duplicate Datagrams Received by E2	Datagrams Lost, E2 to E1	Datagrams Out of Order
All Pairs	n/a	n/a	5,335	n/a	n/a	n/a
Pair 1	n/a	n/a	1,486	n/a	n/a	n/a
Pair 2	n/a	n/a	1,232	n/a	n/a	n/a
Pair 3	n/a	n/a	1,355	n/a	n/a	n/a
Pair 4	n/a	n/a	1,262	n/a	n/a	n/a
Totals:	n/a	n/a	5,335	n/a	n/a	n/a

