

# IxChariot

## Summary - C:\Users\Brian Dipert\Documents\My Dropbox\AnandTech\Powerline networking\IxChariot\NETGEAR1901\UDP\3 to 4 (Quad)\3to4UDPQuad.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\3 to 4 (Quad)\3to4UDPQuad.tst
<b>Run start time</b>	Monday, August 08, 2011, 7:45:12 AM
<b>Run end time</b>	Monday, August 08, 2011, 7:45:15 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

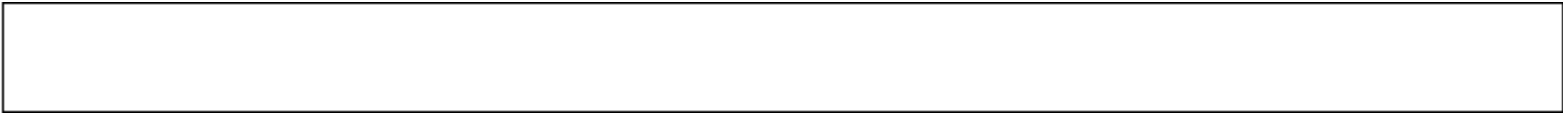
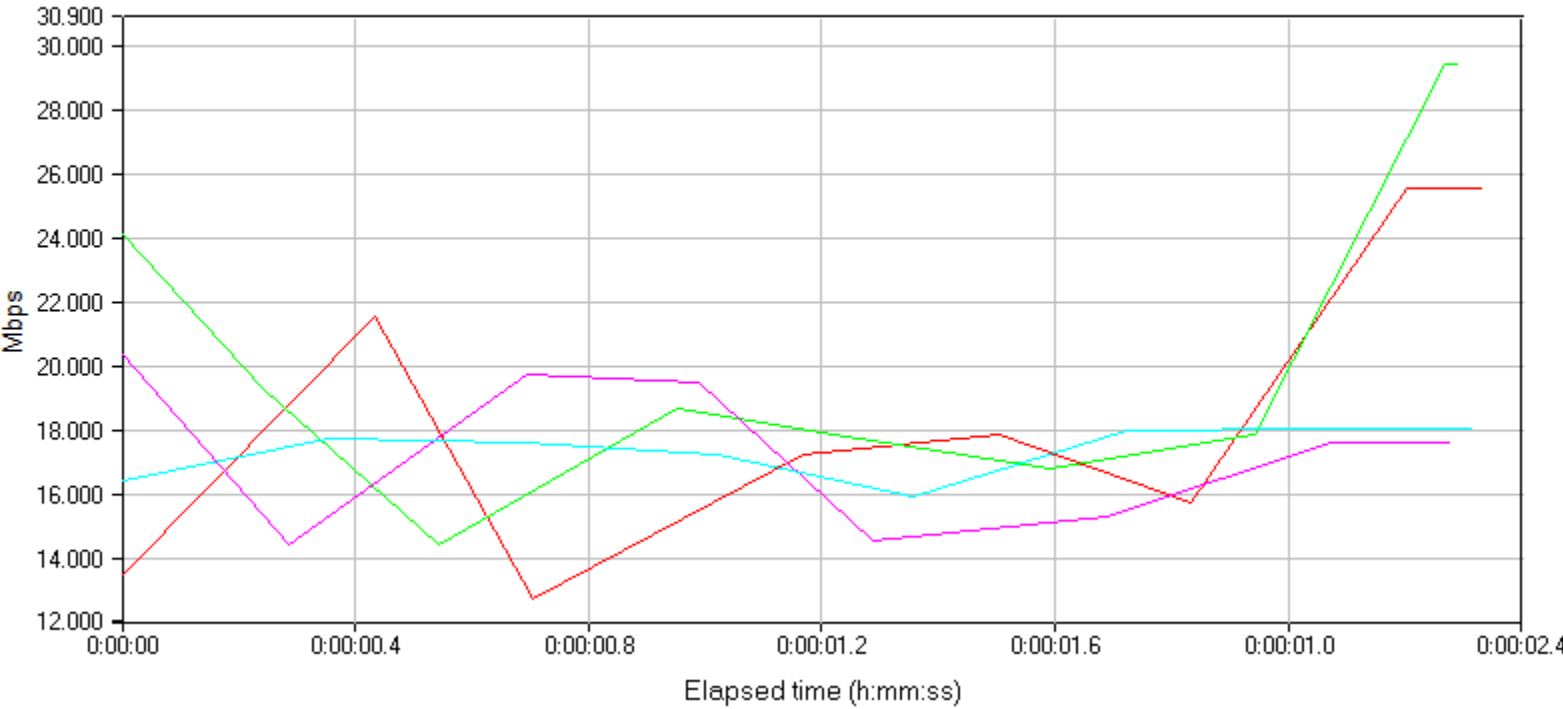
# Test Execution (Endpoint 1 to Endpoint 2)

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	67.912	12.696	29.454			
Pair 1	16.438	12.696	25.533	5.047	2.332	30.703
Pair 2	18.139	14.384	29.454	6.134	2.291	33.816
Pair 3	16.974	14.384	20.348	3.544	2.279	20.881
Pair 4	17.212	15.913	18.067	1.537	2.316	8.927
Totals:	67.912	12.696	29.454			

## 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	19,804,900	272,195,100	93.217		n/a		
Pair 1	73,000,000	4,791,720	68,208,280	93.436	250.429	n/a	2.332	30.703
Pair 2	73,000,000	5,194,680	67,805,320	92.884	254.911	n/a	2.291	33.816
Pair 3	73,000,000	4,835,520	68,164,480	93.376	256.253	n/a	2.279	20.881
Pair 4	73,000,000	4,982,980	68,017,020	93.174	252.159	n/a	2.316	8.927
Totals:	292,000,000	19,804,900	272,195,100	93.217		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	186,435
Pair 1	50,000	n/a	n/a	n/a	46,718
Pair 2	50,000	n/a	n/a	n/a	46,442
Pair 3	50,000	n/a	n/a	n/a	46,688
Pair 4	50,000	n/a	n/a	n/a	46,587
Totals:	200,000	n/a	n/a	n/a	186,435

## 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	13,565	n/a	n/a	n/a
Pair 1	n/a	n/a	3,282	n/a	n/a	n/a
Pair 2	n/a	n/a	3,558	n/a	n/a	n/a
Pair 3	n/a	n/a	3,312	n/a	n/a	n/a
Pair 4	n/a	n/a	3,413	n/a	n/a	n/a
Totals:	n/a	n/a	13,565	n/a	n/a	n/a

