

# IxChariot

## Summary - C:\Users\Brian Dipert\Documents\My Dropbox\AnandTech\Powerline networking\IxChariot\NETGEAR1901\UDP\4 to 1 (Quad)\4to1UDPQuad.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\4 to 1 (Quad)\4to1UDPQuad.tst
<b>Run start time</b>	Monday, August 08, 2011, 7:50:07 AM
<b>Run end time</b>	Monday, August 08, 2011, 7:50:09 AM
<b>Elapsed time</b>	00:00:02
<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

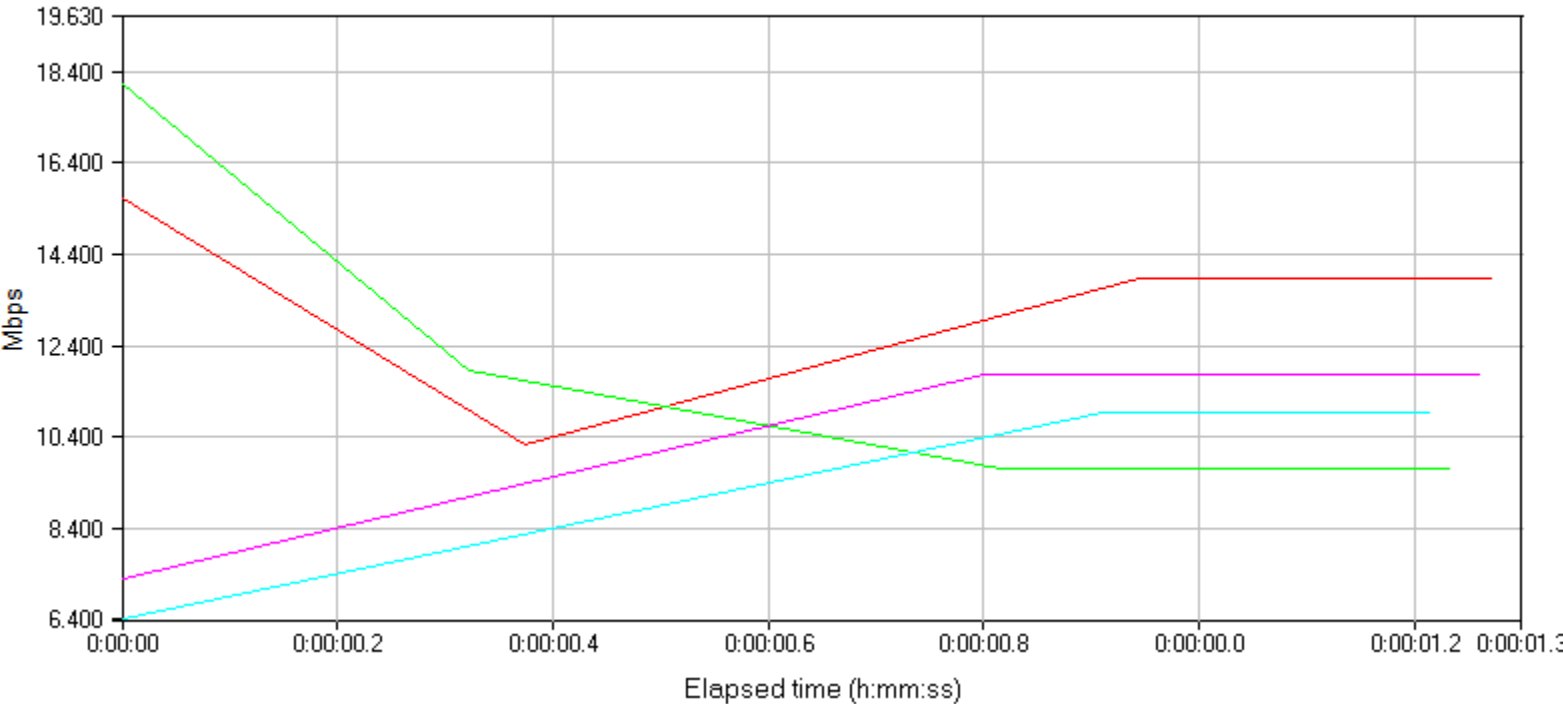
# Test Execution (Endpoint 1 to Endpoint 2)

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

## Throughput

Group/ Pair	Average (Mbps)	Minimum (Mbps)	Maximum (Mbps)	Throughput 95% Confidence Interval	Measured Time (secs)	Relative Precision
All Pairs	41.169	6.418	18.137			
Pair 1	12.744	10.228	15.615	9.631	1.273	75.574
Pair 2	12.768	9.729	18.137	6.613	1.234	51.795
Pair 3	8.913	7.282	11.756	30.689	1.262	344.331
Pair 4	7.556	6.418	10.952	47.805	1.215	632.686
Totals:	41.169	6.418	18.137			

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	6,551,020	285,448,980	97.756		n/a		
Pair 1	73,000,000	2,027,940	70,972,060	97.222	458.759	n/a	1.273	75.574
Pair 2	73,000,000	1,969,540	71,030,460	97.302	473.258	n/a	1.234	51.795
Pair 3	73,000,000	1,405,980	71,594,020	98.074	462.758	n/a	1.262	344.331
Pair 4	73,000,000	1,147,560	71,852,440	98.428	480.658	n/a	1.215	632.686
Totals:	292,000,000	6,551,020	285,448,980	97.756		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	195,513
Pair 1	50,000	n/a	n/a	n/a	48,611
Pair 2	50,000	n/a	n/a	n/a	48,651
Pair 3	50,000	n/a	n/a	n/a	49,037
Pair 4	50,000	n/a	n/a	n/a	49,214
Totals:	200,000	n/a	n/a	n/a	195,513

## 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	4,487	n/a	n/a	n/a
Pair 1	n/a	n/a	1,389	n/a	n/a	n/a
Pair 2	n/a	n/a	1,349	n/a	n/a	n/a
Pair 3	n/a	n/a	963	n/a	n/a	n/a
Pair 4	n/a	n/a	786	n/a	n/a	n/a
Totals:	n/a	n/a	4,487	n/a	n/a	n/a

