Xena2889 Test Report

Test Summary

Test company:	Teledyne LeCroy
Customer:	Xena Networks
Test Date and Time:	2024-12-06, 17:26
Test Duration:	02:03:42 (h:m:s)
Generated By:	Xena2889 v1.46, running on 'Microsoft Windows 10 Enterprise LTSC 2021'
Comments:	Components: - host: aconbg027 (Windows 10 Enterprise LTSC) - chassis: XenaBay (140.181.139.228) - configuration: github.com/GSI-CS-CO/network_testing/wr_RFC_2889/xena_cfg/RFC_2889_4_switches_Xena.x2889 DUT: - WRS: scb v3.4, Creotech - name: nwt0010/16/296/297 - fw: v7.0 - dot-config: timing_localmaster_xenabay, timing_distribution, timing_access_all_xenabay

Test Setup

Test Configuration

Subtest Selection

Rate Test: Full Mesh	Disabled
Rate Test: Part.Mesh, 1:N	Enabled
- Throughput	Enabled
- Forwarding	Disabled
Rate Test: Part.Mesh, N->N	Disabled
Congestion Control:	Disabled
Forward Pressure:	Disabled
Maximum Forwarding Rate:	Disabled
Address Caching Capacity:	Disabled
Address Learning Rate:	Disabled
Errored Frames Filtering:	Disabled
Broadcast Forwarding:	Disabled

Test Options

Packet Sizes Used:	90,134,222,398,574,750
Rate Type:	Fraction
Fraction per Port:	1,00%
Latency Measurement Mode:	Last-To-Last
Toggle Port Sync States:	Yes

Traffic Configuration

Used Chassis

Chassis ID	Chassis Name	Address
C-0	xenatos	140.181.139.228:22606

Used Ports

Port ID	Interface Type	Speed	IP Address & Gateway	Protocol Segment Profile
P-0-0-0	SFP-O LR 1310 nm	AUTO	No address specified	1: Ethernet
P-0-0-1	SFP-O LR 1310 nm	AUTO	No address specified	1: Ethernet
P-0-0-2	SFP-O LR 1310 nm	AUTO	No address specified	1: Ethernet
P-0-0-3	SFP-O LR 1310 nm	AUTO	No address specified	1: Ethernet
P-0-0-4	SFP-O LR 1310 nm	AUTO	No address specified	1: Ethernet
P-0-0-5	SFP-O LR 1310 nm	AUTO	No address specified	1: Ethernet
P-0-2-0	SFP-O LR 1310 nm	AUTO	No address specified	1: Ethernet
P-0-2-1	SFP-O LR 1310 nm	AUTO	No address specified	1: Ethernet
P-0-2-2	SFP-O LR 1310 nm	AUTO	No address specified	1: Ethernet
P-0-2-3	SFP-O LR 1310 nm	AUTO	No address specified	1: Ethernet
P-0-2-4	SFP-O LR 1310 nm	AUTO	No address specified	1: Ethernet
P-0-2-5	SFP-O LR 1310 nm	AUTO	No address specified	1: Ethernet
P-0-4-0	SFP-O LR 1310 nm	AUTO	No address specified	1: Ethernet
P-0-4-1	SFP-O LR 1310 nm	AUTO	No address specified	1: Ethernet
P-0-4-2	SFP-O LR 1310 nm	AUTO	No address specified	1: Ethernet
P-0-4-3	SFP-O LR 1310 nm	AUTO	No address specified	1: Ethernet
P-0-4-4	SFP-O LR 1310 nm	AUTO	No address specified	1: Ethernet
P-0-4-5	SFP-O LR 1310 nm	AUTO	No address specified	1: Ethernet

Rate Test: Part.Mesh, 1:N Results

Test Setup

Duration: 30 seconds
Iteration: 3

Topology: Blocks
Direction: West-to-East

Throughput Options

Initial Rate: 1,00%
Maximum Rate: 100,00%
Minimum Rate: 0,01%
Resolution: 0,10%

Used Ports

Port ID	Port Role
P-0-0-4	West
P-0-0-5	West
P-0-2-0	East
P-0-2-4	West
P-0-2-5	West
P-0-4-3	West
P-0-4-4	West
P-0-4-5	West

Throughput Test Results

Frame Size	90	134	222	398	574	750
Result State	PASS	PASS	PASS	PASS	PASS	PASS
Iter. #	(avg)	(avg)	(avg)	(avg)	(avg)	(avg)
Tx Rate (Percent)	62,951 %	16,407 %	62,397 %	85,836 %	14,473 %	65,614 %
Tx Rate (L1) (Bit/s)	39,66 M	10,34 M	39,31 M	54,08 M	9,12 M	41,34 M
Tx Rate (Fps)	45.067	8.390	20.305	16.171	1.919	6.710
Rx Rate (Percent)	62,95 %	16,41 %	62,4 %	85,84 %	14,47 %	65,61 %
Rx Rate (L1) (Bit/s)	39,66 M	10,34 M	39,31 M	54,08 M	9,12 M	41,34 M
Rx Rate (Fps)	45,07 K	8,39 K	20,3 K	16,17 K	1,92 K	6,71 K
Loss Rate (Percent)	0 %	0 %	0 %	0 %	0 %	0 %
Loss (Frames)	0	0	0	0	0	0
P-0-0-4						
- Tx (Frames)	193.144	35.956	87.020	69.305	8.223	28.758
- Tx Rate (L1) (Bit/s)	5,67 M	1,48 M	5,62 M	7,73 M	1,3 M	5,9 M
- Tx Rate (Fps)	6.438	1.199	2.901	2.310	274	959
- Rx (Frames)	0	0	0	0	0	0
- Rx Rate (L1) (Bit/s)	0	0	0	0	0	0
- Rx Rate (Fps)	0	0	0	0	0	0
- Flood Count (Frames)	0	0	0	0	0	0
P-0-0-5						
- Tx (Frames)	193.144	35.956	87.020	69.305	8.223	28.758
- Tx Rate (L1) (Bit/s)	5,67 M	1,48 M	5,62 M	7,73 M	1,3 M	5,9 M
- Tx Rate (Fps)	6.438	1.199	2.901	2.310	274	959
- Rx (Frames)	0	0	0	0	0	0
- Rx Rate (L1) (Bit/s)	0	0	0	0	0	0
- Rx Rate (Fps)	0	0	0	0	0	0
- Flood Count (Frames)	0	0	0	0	0	0
P-0-2-0						
- Tx (Frames)	0	0	0	0	0	0
- Tx Rate (L1) (Bit/s)	0	0	0	0	0	0
- Tx Rate (Fps)	0	0	0	0	0	0
- Rx (Frames)	1.352.008	251.692	609.140	485.135	57.561	201.306
- Rx Rate (L1) (Bit/s)	39,66 M	10,34 M	39,31 M	54,08 M	9,12 M	41,33 M
- Rx Rate (Fps)	45.067	8.390	20.305	16.171	1.919	6.710
- Flood Count (Frames)	0	0	0	0	0	0
P-0-2-4						

- Tx (Frames)	193.144	35.956	87.020	69.305	8.223	28.758
- Tx Rate (L1) (Bit/s)	5,67 M	1,48 M	5,62 M	7,73 M	1,3 M	5,9 M
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- Rx (Frames)	0	0	0	0	0	0
- Rx Rate (L1) (Bit/s)	0	0	0	0	0	0
- Rx Rate (Fps)	0	0	0	0	0	0
- Flood Count (Frames)	0	0	0	0	0	0
P-0-2-5						
- Tx (Frames)	193.144	35.956	87.020	69.305	8.223	28.758
- Tx Rate (L1) (Bit/s)	5,67 M	1,48 M	5,62 M	7,73 M	1,3 M	5,9 M
- Tx Rate (Fps)	6.438	1.199	2.901	2.310	274	959
- Rx (Frames)	0	0	0	0	0	0
- Rx Rate (L1) (Bit/s)	0	0	0	0	0	0
- Rx Rate (Fps)	0	0	0	0	0	0
- Flood Count (Frames)	0	0	0	0	0	0
P-0-4-3						
- Tx (Frames)	193.144	35.956	87.020	69.305	8.223	28.758
- Tx Rate (L1) (Bit/s)	5,67 M	1,48 M	5,62 M	7,73 M	1,3 M	5,9 M
- Tx Rate (Fps)	6.438	1.199	2.901	2.310	274	959
- Rx (Frames)	0	0	0	0	0	0
- Rx Rate (L1) (Bit/s)	0	0	0	0	0	0
- Rx Rate (Fps)	0	0	0	0	0	0
- Flood Count (Frames)	0	0	0	0	0	0
P-0-4-4						
- Tx (Frames)	193.144	35.956	87.020	69.305	8.223	28.758
- Tx Rate (L1) (Bit/s)	5,67 M	1,48 M	5,62 M	7,73 M	1,3 M	5,9 M
- Tx Rate (Fps)	6.438	1.199	2.901	2.310	274	959
- Rx (Frames)	0	0	0	0	0	0
- Rx Rate (L1) (Bit/s)	0	0	0	0	0	0
- Rx Rate (Fps)	0	0	0	0	0	0
- Flood Count (Frames)	0	0	0	0	0	0
P-0-4-5						
- Tx (Frames)	193.144	35.956	87.020	69.305	8.223	28.758
- Tx Rate (L1) (Bit/s)	5,67 M	1,48 M	5,62 M	7,73 M	1,3 M	5,9 M
- Tx Rate (Fps)	6.438	1.199	2.901	2.310	274	959
- Rx (Frames)	0	0	0	0	0	0
- Rx Rate (L1) (Bit/s)	0	0	0	0	0	0
- Rx Rate (Fps)	0	0	0	0	0	0
- Flood Count (Frames)	0	0	0	0	0	0