

Xena2889 Test Report

Test Summary

Test company: Teledyne LeCroy
Customer: Xena Networks
Test Date and Time: 2024-12-05, 14:47
Test Duration: 02:11:09 (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-0-0-0	West
P-0-0-1	West
P-0-0-2	West
P-0-0-3	West
P-0-0-4	West
P-0-0-5	West
P-0-2-0	East
P-0-2-1	West
P-0-2-2	West
P-0-2-3	West
P-0-2-4	West
P-0-2-5	West
P-0-4-0	West
P-0-4-1	West
P-0-4-2	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	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL
Iter. #	(avg)	(avg)	(avg)	(avg)	(avg)	(avg)
Tx Rate (Percent)	0,072 %	0,093 %	0,363 %	0,397 %	0,072 %	0,216 %
Tx Rate (L1) (Bit/s)	109,71 K	142,19 K	555,48 K	607,64 K	107,71 K	329,29 K
Tx Rate (Fps)	125	115	287	182	23	53
Rx Rate (Percent)	0,07 %	0,09 %	0,36 %	0,4 %	0,07 %	0,22 %
Rx Rate (L1) (Bit/s)	108,53 K	141,24 K	554,84 K	607,2 K	106,6 K	328,87 K
Rx Rate (Fps)	123,33	114,64	286,59	181,58	22,43	53,39
Loss Rate (Percent)	1,07 %	0,67 %	0,12 %	0,07 %	1,03 %	0,13 %
Loss (Frames)	40	23	10	4	7	2
P-0-0-0						
- Tx (Frames)	220	203	506	320	40	94
- Tx Rate (L1) (Bit/s)	6,45 K	8,34 K	32,65 K	35,67 K	6,34 K	19,3 K
- Tx Rate (Fps)	7	7	17	11	1	3
- 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-0-0-1						
- Tx (Frames)	220	203	506	320	40	94
- Tx Rate (L1) (Bit/s)	6,45 K	8,34 K	32,65 K	35,67 K	6,34 K	19,3 K
- Tx Rate (Fps)	7	7	17	11	1	3
- 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-0-0-2						
- Tx (Frames)	220	203	506	320	40	94
- Tx Rate (L1) (Bit/s)	6,45 K	8,34 K	32,65 K	35,67 K	6,34 K	19,3 K
- Tx Rate (Fps)	7	7	17	11	1	3
- 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-0-0-3						
- Tx (Frames)	220	203	506	320	40	94
- Tx Rate (L1) (Bit/s)	6,45 K	8,34 K	32,65 K	35,67 K	6,34 K	19,3 K
- Tx Rate (Fps)	7	7	17	11	1	3
- 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-0-0-4						
- Tx (Frames)	220	203	506	320	40	94
- Tx Rate (L1) (Bit/s)	6,45 K	8,34 K	32,65 K	35,67 K	6,34 K	19,3 K
- Tx Rate (Fps)	7	7	17	11	1	3
- 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)	220	203	506	320	40	94
- Tx Rate (L1) (Bit/s)	6,45 K	8,34 K	32,65 K	35,67 K	6,34 K	19,3 K
- Tx Rate (Fps)	7	7	17	11	1	3
- 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)	3.700	3.428	8.592	5.436	673	1.596
- Rx Rate (L1) (Bit/s)	108,53 K	140,78 K	554,47 K	605,93 K	106,6 K	327,71 K
- Rx Rate (Fps)	123	114	286	181	22	53
- Flood Count (Frames)	0	0	0	0	0	0
P-0-2-1						
- Tx (Frames)	220	203	506	320	40	94
- Tx Rate (L1) (Bit/s)	6,45 K	8,34 K	32,65 K	35,67 K	6,34 K	19,3 K
- Tx Rate (Fps)	7	7	17	11	1	3
- 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-0-2-2						
- Tx (Frames)	220	203	506	320	40	94
- Tx Rate (L1) (Bit/s)	6,45 K	8,34 K	32,65 K	35,67 K	6,34 K	19,3 K
- Tx Rate (Fps)	7	7	17	11	1	3
- 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-0-2-3						
- Tx (Frames)	220	203	506	320	40	94
- Tx Rate (L1) (Bit/s)	6,45 K	8,34 K	32,65 K	35,67 K	6,34 K	19,3 K
- Tx Rate (Fps)	7	7	17	11	1	3
- 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-0-2-4						
- Tx (Frames)	220	203	506	320	40	94
- Tx Rate (L1) (Bit/s)	6,45 K	8,34 K	32,65 K	35,67 K	6,34 K	19,3 K
- Tx Rate (Fps)	7	7	17	11	1	3
- 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)	220	203	506	320	40	94
- Tx Rate (L1) (Bit/s)	6,45 K	8,34 K	32,65 K	35,67 K	6,34 K	19,3 K
- Tx Rate (Fps)	7	7	17	11	1	3
- 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-0-4-0						
- Tx (Frames)	220	203	506	320	40	94
- Tx Rate (L1) (Bit/s)	6,45 K	8,34 K	32,65 K	35,67 K	6,34 K	19,3 K
- Tx Rate (Fps)	7	7	17	11	1	3
- 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-0-4-1						
- Tx (Frames)	220	203	506	320	40	94
- Tx Rate (L1) (Bit/s)	6,45 K	8,34 K	32,65 K	35,67 K	6,34 K	19,3 K
- Tx Rate (Fps)	7	7	17	11	1	3
- 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-0-4-2						
- Tx (Frames)	220	203	506	320	40	94
- Tx Rate (L1) (Bit/s)	6,45 K	8,34 K	32,65 K	35,67 K	6,34 K	19,3 K
- Tx Rate (Fps)	7	7	17	11	1	3
- 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)	220	203	506	320	40	94
- Tx Rate (L1) (Bit/s)	6,45 K	8,34 K	32,65 K	35,67 K	6,34 K	19,3 K
- Tx Rate (Fps)	7	7	17	11	1	3
- 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)	220	203	506	320	40	94
- Tx Rate (L1) (Bit/s)	6,45 K	8,34 K	32,65 K	35,67 K	6,34 K	19,3 K
- Tx Rate (Fps)	7	7	17	11	1	3
- 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)	220	203	506	320	40	94
- Tx Rate (L1) (Bit/s)	6,45 K	8,34 K	32,65 K	35,67 K	6,34 K	19,3 K
- Tx Rate (Fps)	7	7	17	11	1	3
- 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

Note: One or more of the rate tests did not pass the test criteria!

