Valkyrie2889 Test Report

Test Summary

Test company: Xena Networks
Customer: GSI TOS

Test Date and Time: 2023-12-05, 13:00
Test Duration: 01:19:19 (h:m:s)
Generated By: Valkyrie2889 v1.41, running on 'Microsoft Windows 10 Enterprise'

Comments: B2B unicast (uni-directional, 0,1% overall test port rate), 4 layers:
                       - host: aconbg027
                       - chassis: Xenabay (140.181.139.228)
                       DUT:
                       - WRS: backplane v3.30, scb v3.4, Creotech
                       - name: nwt0010/16/296/297
                       - fw: v6.1
                       - dot-config: production

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

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: 60 seconds
Iteration: 2

Topology: Blocks
Direction: West-to-East

Throughput Options

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

Used Ports

Port ID	Port Role
P-0-2-0	West
P-0-2-1	West
P-0-2-2	West
P-0-0-0	East
P-0-2-4	West
P-0-2-3	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
P-0-0-2	West
P-0-0-3	West
P-0-0-1	West
P-0-0-4	West
P-0-0-5	West

Throughput Test Results

Frame Size	90	134	222
Result State	FAIL	PASS	PASS
Iter. #	(avg)	(avg)	(avg)
Tx Rate (Percent)	0,016 %	0,05 %	6,31 %
Tx Rate (L1) (Bit/s)	26,43 K	83,95 K	10,73 M
Tx Rate (Fps)	30	68	5.540
Rx Rate (Percent)	0,02 %	0,05 %	6,31 %
Rx Rate (L1) (Bit/s)	26,19 K	83,95 K	10,73 M
Rx Rate (Fps)	29,77	68,14	5,54 K
Loss Rate (Percent)	0,89 %	0 %	0 %
Loss (Frames)	16	0	0
P-0-0-0			
- Tx (Frames)	0	0	0
- Tx Rate (L1) (Bit/s)	0	0	0
- Tx Rate (Fps)	0	0	0
- Rx (Frames)	1.786	4.080	332.401
- Rx Rate (L1) (Bit/s)	26,19 K	83,78 K	10,73 M
- Rx Rate (Fps)	30	68	5.540
- Flood Count (Frames)	0	0	0
P-0-0-1			
- Tx (Frames)	106	240	19.553
- Tx Rate (L1) (Bit/s)	1,55 K	4,93 K	630,91 K
- Tx Rate (Fps)	2	4	326
- Rx (Frames)	0	0	0
- Rx Rate (L1) (Bit/s)	0	0	0
- Rx Rate (Fps)	0	0	0

- Flood Count (Frames)	0	0	0
P-0-0-2			
- Tx (Frames)	106	240	19.553
- Tx Rate (L1) (Bit/s)	1,55 K	4,93 K	630,91 K
- Tx Rate (Fps)	2	4	326
- Rx (Frames)	0	0	0
- Rx Rate (L1) (Bit/s)	0	0	0
- Rx Rate (Fps)	0	0	0
- Flood Count (Frames)	0	0	0
P-0-0-3			
- Tx (Frames)	106	240	19.553
- Tx Rate (L1) (Bit/s)	1,55 K	4,93 K	630,91 K
- Tx Rate (Fps)	2	4	326
- Rx (Frames)	0	0	0
- Rx Rate (L1) (Bit/s)	0	0	0
- Rx Rate (Fps)	0	0	0
- Flood Count (Frames)	0	0	0
P-0-0-4			
- Tx (Frames)	106	240	19.553
- Tx Rate (L1) (Bit/s)	1,55 K	4,93 K	630,91 K
- Tx Rate (Fps)	2	4	326
- Rx (Frames)	0	0	0
- Rx Rate (L1) (Bit/s)	0	0	0
- Rx Rate (Fps)	0	0	0
- Flood Count (Frames)	0	0	0
P-0-0-5			
- Tx (Frames)	106	240	19.553
- Tx Rate (L1) (Bit/s)	1,55 K	4,93 K	630,91 K
- Tx Rate (Fps)	2	4	326
- Rx (Frames)	0	0	0
- Rx Rate (L1) (Bit/s)	0	0	0
- Rx Rate (Fps)	0	0	0
- Flood Count (Frames)	0	0	0
P-0-2-0			
- Tx (Frames)	106	240	19.553
- Tx Rate (L1) (Bit/s)	1,55 K	4,93 K	630,91 K
- Tx Rate (Fps)	2	4	326
- Rx (Frames)	0	0	0
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- Rx Rate (Fps)	0	0	0
- Flood Count (Frames)	0	0	0
P-0-2-1			
- Tx (Frames)	106	240	19.553
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- Rx Rate (Fps)	0	0	0
- Flood Count (Frames)	0	0	0
P-0-2-2			
- Tx (Frames)	106	240	19.553
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- Rx (Frames)	0	0	0
- Rx Rate (L1) (Bit/s)	0	0	0
- Rx Rate (Fps)	0	0	0
- Flood Count (Frames)	0	0	0
P-0-4-0			
- Tx (Frames)	106	240	19.553
- Tx Rate (L1) (Bit/s)	1,55 K	4,93 K	630,91 K
- Tx Rate (Fps)	2	4	326
- Rx (Frames)	0	0	0
- Rx Rate (L1) (Bit/s)	0	0	0
- Rx Rate (Fps)	0	0	0
- Flood Count (Frames)	0	0	0
P-0-4-1			
- Tx (Frames)	106	240	19.553
- Tx Rate (L1) (Bit/s)	1,55 K	4,93 K	630,91 K
- Tx Rate (Fps)	2	4	326
- Rx (Frames)	0	0	0
- Rx Rate (L1) (Bit/s)	0	0	0
- Rx Rate (Fps)	0	0	0
- Flood Count (Frames)	0	0	0
P-0-4-2			
- Tx (Frames)	106	240	19.553
- Tx Rate (L1) (Bit/s)	1,55 K	4,93 K	630,91 K
- Tx Rate (Fps)	2	4	326
- Rx (Frames)	0	0	0
- Rx Rate (L1) (Bit/s)	0	0	0
- Rx Rate (Fps)	0	0	0
- Flood Count (Frames)	0	0	0
P-0-4-3			
- Tx (Frames)	106	240	19.553
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- Flood Count (Frames)	0	0	0
P-0-4-4			
- Tx (Frames)	106	240	19.553
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- Rx Rate (L1) (Bit/s)	0	0	0
- Rx Rate (Fps)	0	0	0
- Flood Count (Frames)	0	0	0

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

Part.Mesh, 1:N: Throughput by Frame Size vs Theoretical Max