

Valkyrie2889 Test Report

Test Summary

Test company: Xena Networks
Customer: GSI TOS
Test Date and Time: 2023-12-07, 18:45
Test Duration: 05:56:07 (h:m:s)
Generated By: Valkyrie2889 v1.41, running on 'Microsoft Windows 10 Enterprise'
Comments: B2B unicast (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: 90,134,222,398,574,750
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: 60 seconds
Iteration: 3
Topology: Blocks
Direction: West-to-East

Throughput Options

Initial Rate: 50,00%
Maximum Rate: 100,00%
Minimum Rate: 0,01%
Resolution: 0,01%

Used Ports

Port ID	Port Role
P-0-2-0	East
P-0-2-1	West
P-0-2-2	West
P-0-0-0	West
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	398	574	750
Result State	PASS	PASS	PASS	PASS	PASS	PASS
Iter. #	(avg)	(avg)	(avg)	(avg)	(avg)	(avg)
Tx Rate (Percent)	6,364 %	2,194 %	64,871 %	57,086 %	46,954 %	65,257 %
Tx Rate (L1) (Bit/s)	10,82 M	3,73 M	110,28 M	97,05 M	79,82 M	110,94 M
Tx Rate (Fps)	12.293	3.027	56.963	29.021	16.797	18.009
Rx Rate (Percent)	6,36 %	2,19 %	64,87 %	57,09 %	46,95 %	65,26 %
Rx Rate (L1) (Bit/s)	10,82 M	3,73 M	110,28 M	97,05 M	79,82 M	110,94 M
Rx Rate (Fps)	12,29 K	3,03 K	56,96 K	29,02 K	16,8 K	18,01 K
Loss Rate (Percent)	0 %	0 %	0 %	0 %	0 %	0 %
Loss (Frames)	0	0	0	0	0	0
P-0-0-0						
- Tx (Frames)	43.388	10.683	201.046	102.426	59.284	63.561
- Tx Rate (L1) (Bit/s)	636,36 K	219,36 K	6,49 M	5,71 M	4,7 M	6,53 M
- Tx Rate (Fps)	723	178	3.351	1.707	988	1.059
- 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)	43.388	10.683	201.046	102.426	59.284	63.561
- Tx Rate (L1) (Bit/s)	636,36 K	219,36 K	6,49 M	5,71 M	4,7 M	6,53 M
- Tx Rate (Fps)	723	178	3.351	1.707	988	1.059
- 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)	43.388	10.683	201.046	102.426	59.284	63.561
- Tx Rate (L1) (Bit/s)	636,36 K	219,36 K	6,49 M	5,71 M	4,7 M	6,53 M
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- 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)	43.388	10.683	201.046	102.426	59.284	63.561
- Tx Rate (L1) (Bit/s)	636,36 K	219,36 K	6,49 M	5,71 M	4,7 M	6,53 M
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- 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)	43.388	10.683	201.046	102.426	59.284	63.561
- Tx Rate (L1) (Bit/s)	636,36 K	219,36 K	6,49 M	5,71 M	4,7 M	6,53 M
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- 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)	43.388	10.683	201.046	102.426	59.284	63.561
- Tx Rate (L1) (Bit/s)	636,36 K	219,36 K	6,49 M	5,71 M	4,7 M	6,53 M
- Tx Rate (Fps)	723	178	3.351	1.707	988	1.059
- 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)	737.596	181.611	3.417.782	1.741.242	1.007.828	1.080.537
- Rx Rate (L1) (Bit/s)	10,82 M	3,73 M	110,28 M	97,05 M	79,82 M	110,94 M
- Rx Rate (Fps)	12.293	3.027	56.963	29.021	16.797	18.009
- Flood Count (Frames)	0	0	0	0	0	0
P-0-2-1						
- Tx (Frames)	43.388	10.683	201.046	102.426	59.284	63.561
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- Rx Rate (Fps)	0	0	0	0	0	0
- Flood Count (Frames)	0	0	0	0	0	0
P-0-2-2						
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- Rx Rate (Fps)	0	0	0	0	0	0
- Flood Count (Frames)	0	0	0	0	0	0
P-0-4-0						
- Tx (Frames)	43.388	10.683	201.046	102.426	59.284	63.561
- Tx Rate (L1) (Bit/s)	636,36 K	219,36 K	6,49 M	5,71 M	4,7 M	6,53 M
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P-0-4-1						
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