

# Xena2544 Test Report

## Test Summary

Test company: Xena Networks  
 Customer: Verizon MtPleasant  
 Test Date and Time: 2018-08-24, 09:48  
 Generated By: Xena2544 v2.44, running on 'Microsoft Windows 7 Professional'

## Test Setup

### Test Configuration

#### Main Test Options

Topology: Pairs  
 Direction: Bidirectional  
 Frame Size Type: Custom Sizes  
 Frame Sizes Used: 64,128,256,512,1024,1518,9000  
 Toggle Port Sync: Yes  
 Sync Off Duration: 1 seconds  
 Sync On Delay: 1 seconds  
 Flow Creation Type: Stream-based  
 Enable Multi-Stream: Yes  
 Streams Per Port: 10

#### Test Type Selection

Throughput Test: Enabled  
 Latency and Jitter Test: Disabled  
 Frame Loss Rate Test: Disabled  
 Back-to-Back Test: Disabled

### Port Configuration

Used Port Count: 1

#### Used Chassis Summary

Chassis ID	Chassis Name	Address and Port
C-0	SLC Xena 10g	10.5.5.60:22606

#### Used Ports Summary

Port ID	Interface Type	Port Group	Port Peer	Port Speed	Port Rate
P-0-0-0	SFP+ SR 850 nm	East	P-0-0-0	AUTO	10 G

#### Port Traffic Setup

Port ID	IP Address & Gateway	Protocol Segment Profile
P-0-0-0	No address specified	2: Ethernet / VLAN (3565)

# Throughput Test Results

## Test Setup

Time Duration: 600 seconds  
 Iterations: 1  
 Initial Rate: 1.500 %  
 Maximum Rate: 2.500 %  
 Minimum Rate: 1.500 %  
 Resolution: 1.500 %  
 Use Pass Threshold: No  
 Pass Threshold: 7.500 %  
 Acceptable Loss: 0.000 %  
 Rate Result Scope: Common Result  
 Use Fast Binary Search: No

## Test Results

### Test Results Summary

Total tests executed: 7

Success: All tests passed!

### Detailed Test Results

Frame Size	64	128	256	512	1024	1518
Result State	PASS	PASS	PASS	PASS	PASS	PASS
Tx Rate (Percent)	1.5 %	1.5 %	1.5 %	1.5 %	1.5 %	1.5 %
Tx (Frames)	13,392,600	7,600,800	4,075,800	2,114,400	1,077,000	731,400
Tx Rate (L1) (Bit/s)	150 M	149.99 M	149.99 M	149.98 M	149.92 M	149.99 M
Tx Rate (L2) (Bit/s)	114.28 M	129.72 M	139.12 M	144.34 M	147.05 M	148.04 M
Tx Rate (Fps)	223,210	126,680	67,930	35,240	17,950	12,190
Rx (Frames)	13,392,600	7,600,800	4,075,800	2,114,400	1,077,000	731,400
Loss (Frames)	0	0	0	0	0	0
Loss Rate (Percent)	0 %	0 %	0 %	0 %	0 %	0 %
BER (est)	0	0	0	0	0	0
P-0-0-0						
- Tx (Frames)	13,392,600	7,600,800	4,075,800	2,114,400	1,077,000	731,400
- Tx Rate (L1) (Bit/s)	150 M	149.99 M	149.99 M	149.98 M	149.92 M	149.99 M
- Tx Rate (L2) (Bit/s)	114.28 M	129.72 M	139.12 M	144.34 M	147.05 M	148.04 M
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- Rx Rate (L2) (Bit/s)	114.28 M	129.72 M	139.12 M	144.34 M	147.05 M	148.04 M
- Rx Rate (Fps)	223,210	126,680	67,930	35,240	17,950	12,190

Frame Size	9000
Result State	PASS
Tx Rate (Percent)	1.5 %
Tx (Frames)	124,200
Tx Rate (L1) (Bit/s)	149.37 M
Tx Rate (L2) (Bit/s)	149.04 M
Tx Rate (Fps)	2,070
Rx (Frames)	124,200
Loss (Frames)	0
Loss Rate (Percent)	0 %
BER (est)	0
P-0-0-0	
- Tx (Frames)	124,200
- Tx Rate (L1) (Bit/s)	149.37 M
- Tx Rate (L2) (Bit/s)	149.04 M
- Tx Rate (Fps)	2,070
- Rx (Frames)	124,200
- Rx Rate (L1) (Bit/s)	149.37 M

- Rx Rate (L2) (Bit/s)	149.04 M
- Rx Rate (Fps)	2,070

Throughput by Frame Size vs Theoretical Max

