



PacketExpert Report



Conducted By :

Customer Name :

Operator Name :

Software Version : 24.10.15.0

Time Zone : Pacific Standard Time

Start Date : 10-30-2024 07:09:29

End Date : 10-30-2024 07:15:02

Test Duration : 00:05:32

Test : MTGA

Comments :

Multi-stream Results Overview

Multi-stream Results Overview SETUP1 Dev1/Port1 - Dev1/Port2					Duration: 00:05:30		
Test Setup	Stream	Direction	Verdict	Throughput Max (Gbps)	Frame loss Rate(%)	Delay Max (msec)	Jitter Max (usec)
Bidirectional	Stream1	L -> R	-	5.000	0.000	< 0.001	0.036
	Stream1	R -> L	-	5.000	0.000	< 0.001	0.036
	Stream2	L -> R	-	5.000	0.000	< 0.001	0.020
	Stream2	R -> L	-	5.000	0.000	< 0.001	0.020
	Stream3	L -> R	-	5.000	0.000	< 0.001	0.020
	Stream3	R -> L	-	5.000	0.000	< 0.001	0.024
	Stream4	L -> R	-	5.000	0.000	< 0.001	0.020
	Stream4	R -> L	-	5.000	0.000	< 0.001	0.024
	Stream5	L -> R	-	5.000	0.000	< 0.001	0.024
	Stream5	R -> L	-	5.000	0.000	< 0.001	0.024
	Stream6	L -> R	-	5.000	0.000	< 0.001	0.024
	Stream6	R -> L	-	5.000	0.000	< 0.001	0.024
	Stream7	L -> R	-	5.000	0.000	< 0.001	0.028
	Stream7	R -> L	-	5.000	0.000	< 0.001	0.028
	Stream8	L -> R	-	5.000	0.000	< 0.001	0.028
	Stream8	R -> L	-	5.000	0.000	< 0.001	0.028
	Stream9	L -> R	-	5.000	0.000	< 0.001	0.028
	Stream9	R -> L	-	5.000	0.000	< 0.001	0.028
	Stream10	L -> R	-	5.000	0.000	< 0.001	0.028
	Stream10	R -> L	-	5.000	0.000	< 0.001	0.028
	Stream11	L -> R	-	5.000	0.000	< 0.001	0.028
	Stream11	R -> L	-	5.000	0.000	< 0.001	0.028
	Stream12	L -> R	-	5.000	0.000	< 0.001	0.032
	Stream12	R -> L	-	5.000	0.000	< 0.001	0.032
	Stream13	L -> R	-	5.000	0.000	< 0.001	0.032
	Stream13	R -> L	-	5.000	0.000	< 0.001	0.032
	Stream14	L -> R	-	5.000	0.000	< 0.001	0.032
	Stream14	R -> L	-	5.000	0.000	< 0.001	0.032
	Stream15	L -> R	-	5.000	0.000	< 0.001	0.032
	Stream15	R -> L	-	5.000	0.000	< 0.001	0.032
	Stream16	L -> R	-	5.000	0.000	< 0.001	0.032

	Stream16	R -> L	-	5.000	0.000	< 0.001	0.032
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Multi-stream Results Details SETUP1 Dev1/Port1 - Dev1/Port2

Stream1 Stream Results

Throughput Results

Direction	Min (Gbps)	Max (Gbps)	Avg (Gbps)
L->R	1.209	5.000	4.973
R->L	1.126	5.000	4.973

Frame Loss Results

Direction	FL Count	FLR (%)
L->R	0	0.000
R->L	0	0.000

Delay Results

Direction	Min (msec)	Max (msec)	Avg (msec)
L->R	< 0.001	< 0.001	< 0.001
R->L	< 0.001	< 0.001	< 0.001

Jitter Results

Direction	Min (usec)	Max (usec)	Avg (usec)
L->R	0.000	0.036	< 0.01
R->L	0.000	0.036	< 0.01

Stream2 Stream Results

Throughput Results

Direction	Min (Gbps)	Max (Gbps)	Avg (Gbps)
L->R	1.209	5.000	4.973
R->L	1.126	5.000	4.973

Frame Loss Results

Direction	FL Count	FLR (%)
L->R	0	0.000
R->L	0	0.000

Delay Results

Direction	Min (msec)	Max (msec)	Avg (msec)
L->R	< 0.001	< 0.001	< 0.001
R->L	< 0.001	< 0.001	< 0.001

Jitter Results

Direction	Min (usec)	Max (usec)	Avg (usec)
L->R	0.000	0.020	< 0.01
R->L	0.000	0.020	< 0.01

Stream3 Stream Results

Throughput Results

Direction	Min (Gbps)	Max (Gbps)	Avg (Gbps)
L->R	1.209	5.000	4.973
R->L	1.126	5.000	4.973

Frame Loss Results

Direction	FL Count	FLR (%)
L->R	0	0.000
R->L	0	0.000

Delay Results

Direction	Min (msec)	Max (msec)	Avg (msec)
L->R	< 0.001	< 0.001	< 0.001
R->L	< 0.001	< 0.001	< 0.001

Jitter Results

Direction	Min (usec)	Max (usec)	Avg (usec)
L->R	0.000	0.020	< 0.01
R->L	0.000	0.024	< 0.01

Stream4 Stream Results

Throughput Results

Direction	Min (Gbps)	Max (Gbps)	Avg (Gbps)
L -> R	1.209	5.000	4.973
R -> L	1.126	5.000	4.973

Frame Loss Results

Direction	FL Count	FLR (%)
L -> R	0	0.000
R -> L	0	0.000

Delay Results

Direction	Min (msec)	Max (msec)	Avg (msec)
L -> R	< 0.001	< 0.001	< 0.001
R -> L	< 0.001	< 0.001	< 0.001

Jitter Results

Direction	Min (usec)	Max (usec)	Avg (usec)
L -> R	0.000	0.020	< 0.01
R -> L	0.000	0.024	< 0.01

Stream5 Stream Results

Throughput Results

Direction	Min (Gbps)	Max (Gbps)	Avg (Gbps)
L -> R	1.209	5.000	4.973
R -> L	1.126	5.000	4.973

Frame Loss Results

Direction	FL Count	FLR (%)
L -> R	0	0.000
R -> L	0	0.000

Delay Results

Direction	Min (msec)	Max (msec)	Avg (msec)
L -> R	< 0.001	< 0.001	< 0.001
R -> L	< 0.001	< 0.001	< 0.001

Jitter Results

Direction	Min (usec)	Max (usec)	Avg (usec)
L -> R	0.000	0.024	< 0.01
R -> L	0.000	0.024	< 0.01

Stream6 Stream Results

Throughput Results

Direction	Min (Gbps)	Max (Gbps)	Avg (Gbps)
L -> R	1.209	5.000	4.973
R -> L	1.126	5.000	4.973

Frame Loss Results

Direction	FL Count	FLR (%)
L -> R	0	0.000
R -> L	0	0.000

Delay Results

Direction	Min (msec)	Max (msec)	Avg (msec)
L -> R	< 0.001	< 0.001	< 0.001
R -> L	< 0.001	< 0.001	< 0.001

Jitter Results

Direction	Min (usec)	Max (usec)	Avg (usec)
L -> R	0.000	0.024	< 0.01
R -> L	0.000	0.024	< 0.01

Stream7 Stream Results

Throughput Results

Direction	Min (Gbps)	Max (Gbps)	Avg (Gbps)
L -> R	1.209	5.000	4.973
R -> L	1.126	5.000	4.973

Frame Loss Results

Direction	FL Count	FLR (%)
L -> R	0	0.000
R -> L	0	0.000

Delay Results

Direction	Min (msec)	Max (msec)	Avg (msec)
L -> R	< 0.001	< 0.001	< 0.001
R -> L	< 0.001	< 0.001	< 0.001

Jitter Results

Direction	Min (usec)	Max (usec)	Avg (usec)
L -> R	0.000	0.028	< 0.01
R -> L	0.000	0.028	< 0.01

Stream8 Stream Results

Throughput Results

Direction	Min (Gbps)	Max (Gbps)	Avg (Gbps)
L -> R	1.209	5.000	4.973
R -> L	1.126	5.000	4.973

Frame Loss Results

Direction	FL Count	FLR (%)
L -> R	0	0.000
R -> L	0	0.000

Delay Results

Direction	Min (msec)	Max (msec)	Avg (msec)
L -> R	< 0.001	< 0.001	< 0.001
R -> L	< 0.001	< 0.001	< 0.001

Jitter Results

Direction	Min (usec)	Max (usec)	Avg (usec)
L -> R	0.000	0.028	< 0.01
R -> L	0.000	0.028	< 0.01

Stream9 Stream Results

Throughput Results

Direction	Min (Gbps)	Max (Gbps)	Avg (Gbps)
L -> R	1.209	5.000	4.973
R -> L	1.126	5.000	4.973

Frame Loss Results

Direction	FL Count	FLR (%)
L -> R	0	0.000
R -> L	0	0.000

Delay Results

Direction	Min (msec)	Max (msec)	Avg (msec)
L -> R	< 0.001	< 0.001	< 0.001
R -> L	< 0.001	< 0.001	< 0.001

Jitter Results

Direction	Min (usec)	Max (usec)	Avg (usec)
L -> R	0.000	0.028	< 0.01
R -> L	0.000	0.028	< 0.01

Stream10 Stream Results

Throughput Results

Direction	Min (Gbps)	Max (Gbps)	Avg (Gbps)
L -> R	1.209	5.000	4.973
R -> L	1.126	5.000	4.973

Frame Loss Results

Direction	FL Count	FLR (%)
L -> R	0	0.000
R -> L	0	0.000

Delay Results

Direction	Min (msec)	Max (msec)	Avg (msec)
L -> R	< 0.001	< 0.001	< 0.001
R -> L	< 0.001	< 0.001	< 0.001

Jitter Results

Direction	Min (usec)	Max (usec)	Avg (usec)
L -> R	0.000	0.028	< 0.01
R -> L	0.000	0.028	< 0.01

Stream11 Stream Results

Throughput Results

Direction	Min (Gbps)	Max (Gbps)	Avg (Gbps)
L -> R	1.209	5.000	4.973
R -> L	1.126	5.000	4.973

Frame Loss Results

Direction	FL Count	FLR (%)
L -> R	0	0.000
R -> L	0	0.000

Delay Results

Direction	Min (msec)	Max (msec)	Avg (msec)
L -> R	< 0.001	< 0.001	< 0.001
R -> L	< 0.001	< 0.001	< 0.001

Jitter Results

Direction	Min (usec)	Max (usec)	Avg (usec)
L -> R	0.000	0.028	< 0.01
R -> L	0.000	0.028	< 0.01

Stream12 Stream Results

Throughput Results

Direction	Min (Gbps)	Max (Gbps)	Avg (Gbps)
L -> R	1.209	5.000	4.973
R -> L	1.126	5.000	4.973

Frame Loss Results

Direction	FL Count	FLR (%)
L -> R	0	0.000
R -> L	0	0.000

Delay Results

Direction	Min (msec)	Max (msec)	Avg (msec)
L -> R	< 0.001	< 0.001	< 0.001
R -> L	< 0.001	< 0.001	< 0.001

Jitter Results

Direction	Min (usec)	Max (usec)	Avg (usec)
L -> R	0.000	0.032	< 0.01
R -> L	0.000	0.032	< 0.01

Stream13 Stream Results

Throughput Results

Direction	Min (Gbps)	Max (Gbps)	Avg (Gbps)
L -> R	1.209	5.000	4.973
R -> L	1.126	5.000	4.973

Frame Loss Results

Direction	FL Count	FLR (%)
L -> R	0	0.000
R -> L	0	0.000

Delay Results

Direction	Min (msec)	Max (msec)	Avg (msec)
L -> R	< 0.001	< 0.001	< 0.001
R -> L	< 0.001	< 0.001	< 0.001

Jitter Results

Direction	Min (usec)	Max (usec)	Avg (usec)
L -> R	0.000	0.032	< 0.01
R -> L	0.000	0.032	< 0.01

Stream14 Stream Results

Throughput Results

Direction	Min (Gbps)	Max (Gbps)	Avg (Gbps)
L -> R	1.209	5.000	4.973
R -> L	1.126	5.000	4.973

Frame Loss Results

Direction	FL Count	FLR (%)
L -> R	0	0.000
R -> L	0	0.000

Delay Results

Direction	Min (msec)	Max (msec)	Avg (msec)
L -> R	< 0.001	< 0.001	< 0.001
R -> L	< 0.001	< 0.001	< 0.001

Jitter Results

Direction	Min (usec)	Max (usec)	Avg (usec)
L -> R	0.000	0.032	< 0.01
R -> L	0.000	0.032	< 0.01

Stream15 Stream Results

Throughput Results

Direction	Min (Gbps)	Max (Gbps)	Avg (Gbps)
L -> R	1.209	5.000	4.973
R -> L	1.126	5.000	4.973

Frame Loss Results

Direction	FL Count	FLR (%)
L -> R	0	0.000
R -> L	0	0.000

Delay Results

Direction	Min (msec)	Max (msec)	Avg (msec)
L -> R	< 0.001	< 0.001	< 0.001
R -> L	< 0.001	< 0.001	< 0.001

Jitter Results

Direction	Min (usec)	Max (usec)	Avg (usec)
L -> R	0.000	0.032	< 0.01
R -> L	0.000	0.032	< 0.01

Stream16 Stream Results**Throughput Results**

Direction	Min (Gbps)	Max (Gbps)	Avg (Gbps)
L -> R	1.209	5.000	4.973
R -> L	1.126	5.000	4.973

Frame Loss Results

Direction	FL Count	FLR (%)
L -> R	0	0.000
R -> L	0	0.000

Delay Results

Direction	Min (msec)	Max (msec)	Avg (msec)
L -> R	< 0.001	< 0.001	< 0.001
R -> L	< 0.001	< 0.001	< 0.001

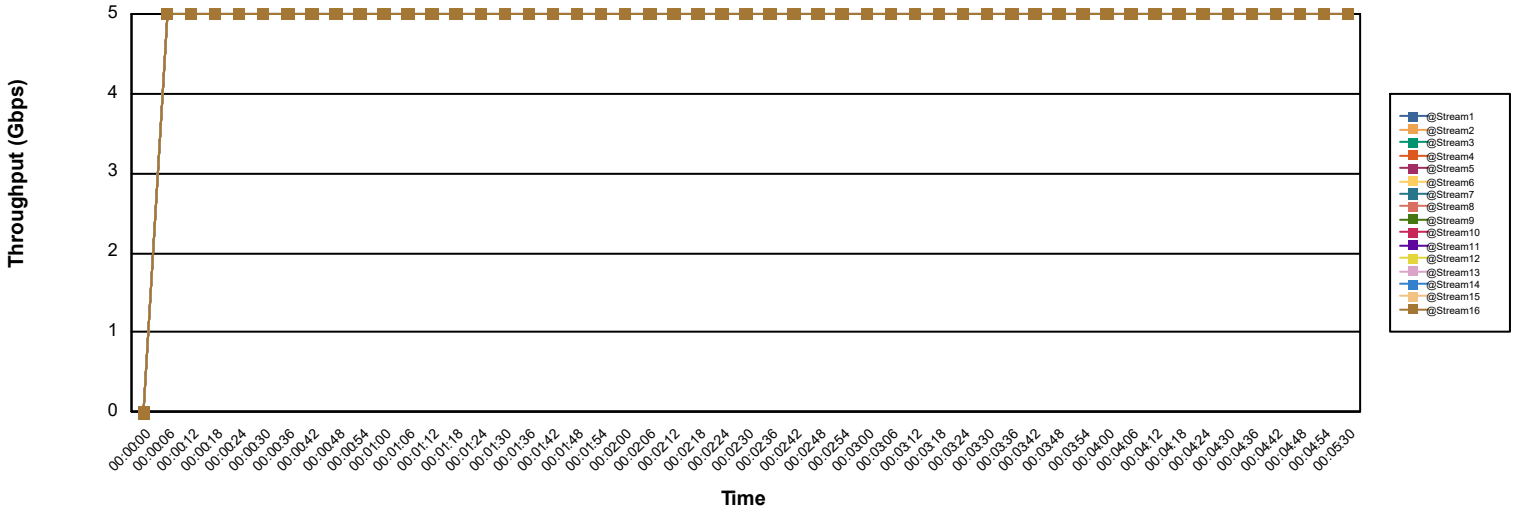
Jitter Results

Direction	Min (usec)	Max (usec)	Avg (usec)
L -> R	0.000	0.032	< 0.01
R -> L	0.000	0.032	< 0.01

Multi-stream Results Graph SETUP1 Dev1/Port1 - Dev1/Port2

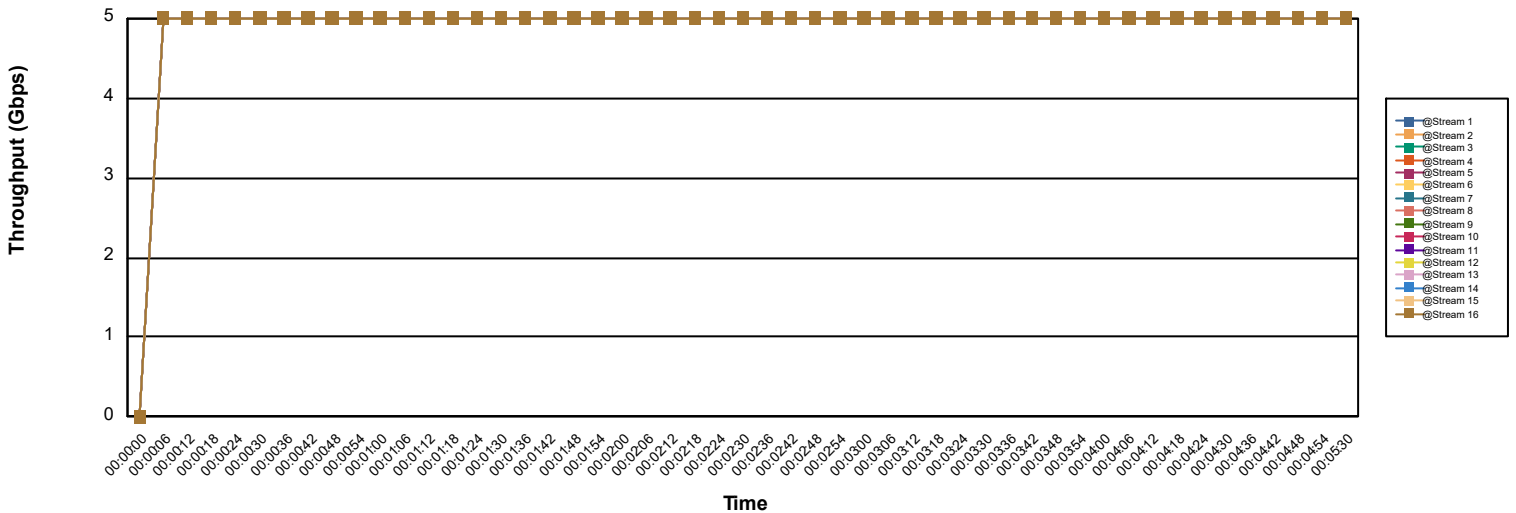
Direction: L -> R

Throughput Graph



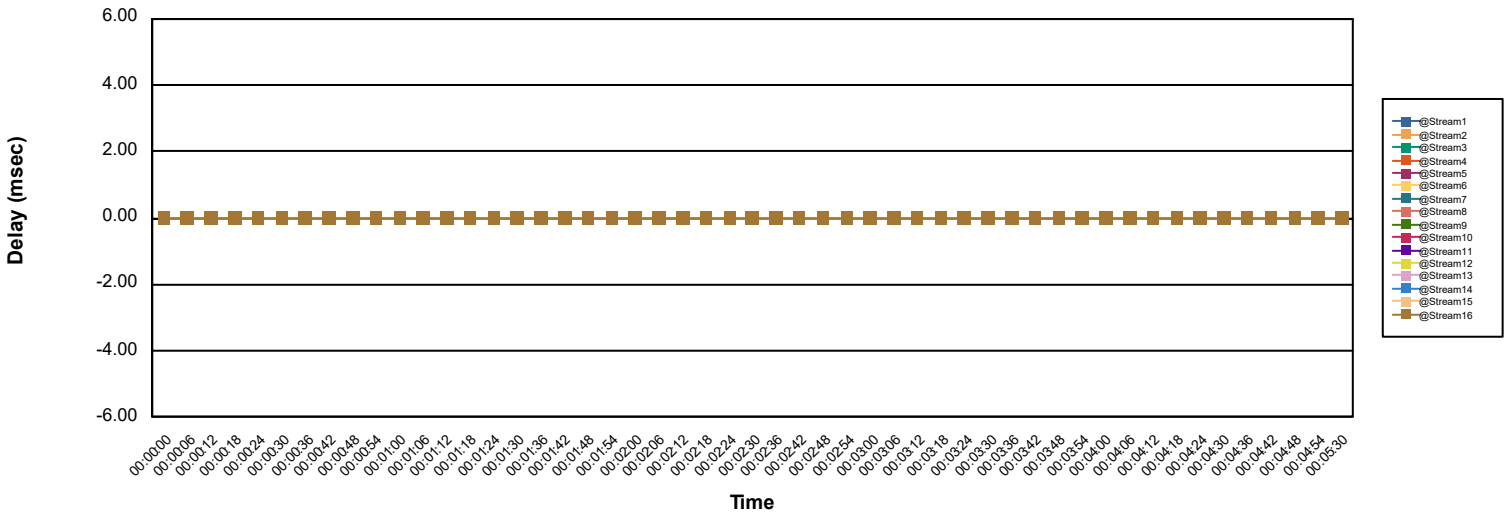
Direction: R -> L

Throughput Graph



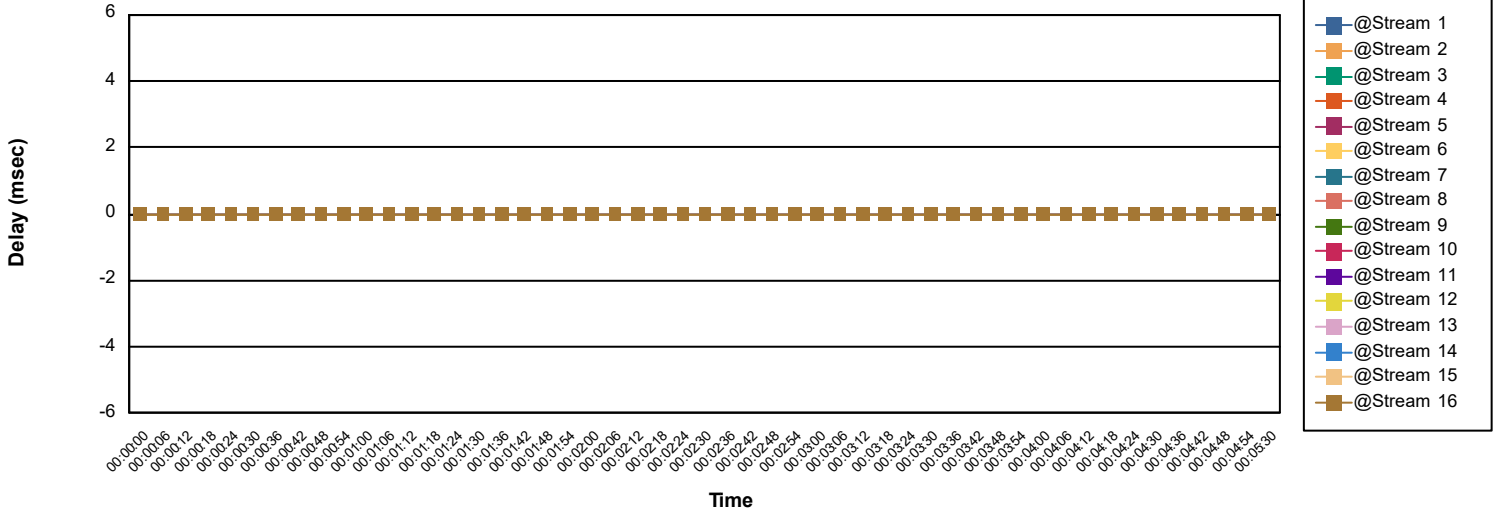
Direction: L -> R

Delay Graph

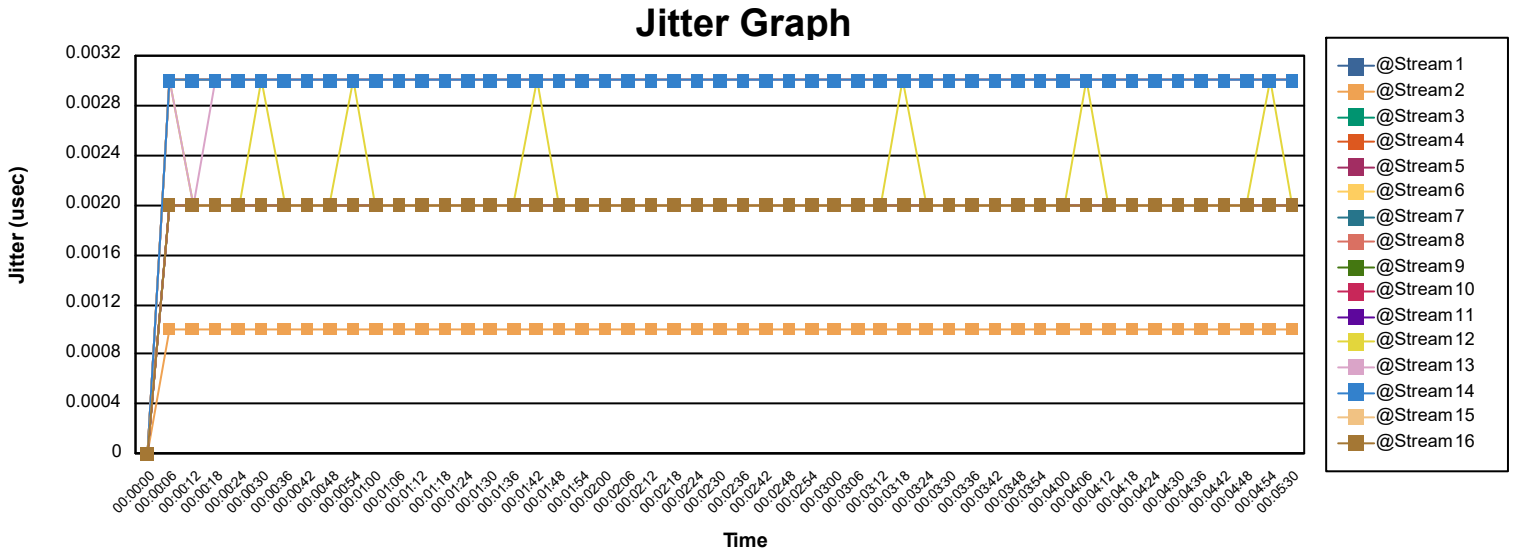


Direction: R -> L

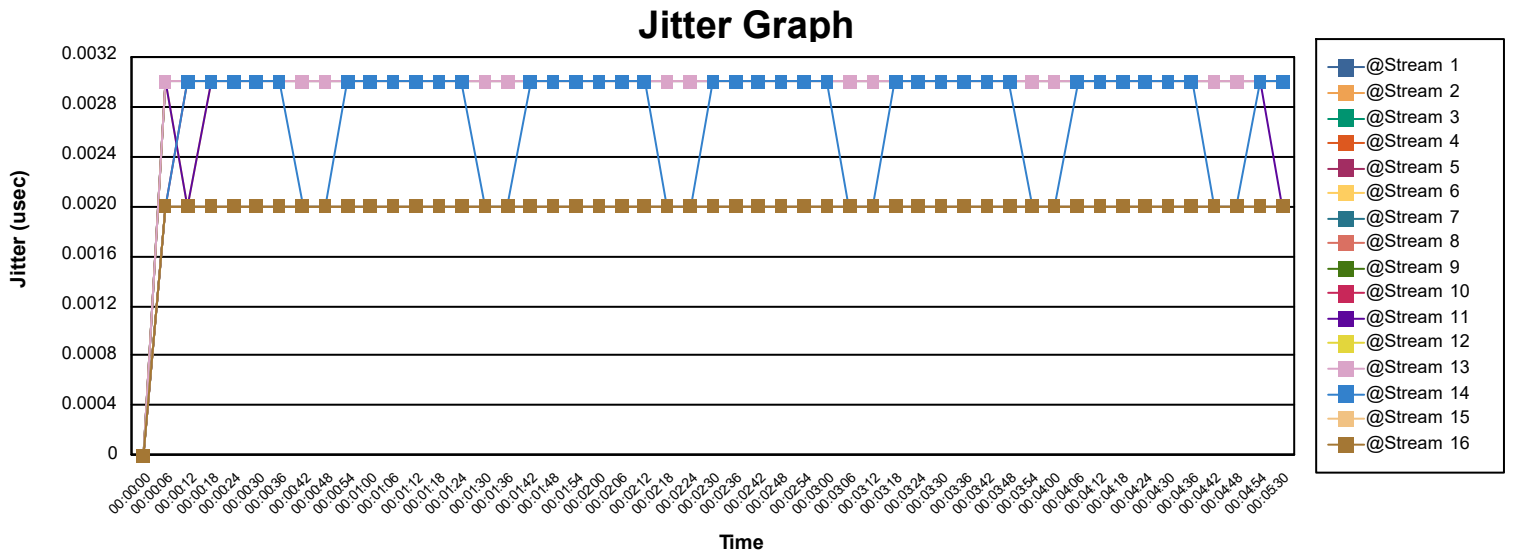
Delay Graph



Direction: L -> R



Direction: R -> L



Multi-stream Configuration SETUP1 Dev1/Port1 - Dev1/Port2

Stream1 Stream Configuration

Layer Selection	
Layer	UDP

MAC Header	
Source MAC	00-0D-E9-09-C5-2F
Destination MAC	00-0D-E9-09-C5-210
Len/Type	08-00

IP Address	IP Type - IPv4
Source IP	192.168.1.125
Destination IP	192.168.1.126

UDP Address	Source	Destination
UDP Port	1001	1002

IP Header	
Default Gateway	192.168.1.1
TTL	128
TOS/DS	0

IP/UDP settings			
IP Checksum	Auto	IP ID	Auto
UDP Checksum	Auto		

Framesize	
Type	Fixed
Frame sizes	100 - - - -

Payload	
Payload	AB-CD

VLAN			
VLAN C - Tag	-	-	-
VLAN S - Tag	-	-	-

MPLS			
MPLS1 Stack	-	-	-
MPLS2 Stack	-	-	-
MPLS3 Stack	-	-	-

Bandwidth Profile	
Rate	5 %

Stream2 Stream Configuration

Layer Selection

Layer	UDP
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MAC Header

Source MAC	00-0D-E9-09-C5-2F
Destination MAC	00-0D-E9-09-C5-210
Len/Type	08-00

IP Address IP Type - IPv4

Source IP	192.168.1.125
Destination IP	192.168.1.126

UDP Address Source Destination

UDP Port	2001	2002
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IP Header

Default Gateway	192.168.1.1
TTL	128
TOS/DS	0

IP/UDP settings

IP Checksum	Auto	IP ID	Auto
UDP Checksum	Auto		

Framesize

Type	Fixed
Frame sizes	100 - - - -

Payload

Payload	AB-CD
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VLAN

VLAN C - Tag	-	-	-
VLAN S - Tag	-	-	-

MPLS

MPLS1 Stack	-	-	-
MPLS2 Stack	-	-	-
MPLS3 Stack	-	-	-

Bandwidth Profile

Rate	5 %
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Stream3 Stream Configuration

Layer Selection	
Layer	UDP

MAC Header	
Source MAC	00-0D-E9-09-C5-2F
Destination MAC	00-0D-E9-09-C5-210
Len/Type	08-00

IP Address	IP Type - IPv4
Source IP	192.168.1.125
Destination IP	192.168.1.126

UDP Address	Source	Destination
UDP Port	3001	3002

IP Header	
Default Gateway	192.168.1.1
TTL	128
TOS/DS	0

IP/UDP settings			
IP Checksum	Auto	IP ID	Auto
UDP Checksum	Auto		

Framesize	
Type	Fixed
Frame sizes	100 - - - -

Payload	
Payload	AB-CD

VLAN			
VLAN C - Tag	-	-	-
VLAN S - Tag	-	-	-

MPLS			
MPLS1 Stack	-	-	-
MPLS2 Stack	-	-	-
MPLS3 Stack	-	-	-

Bandwidth Profile	
Rate	5 %

Stream4 Stream Configuration

Layer Selection

Layer	UDP
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MAC Header

Source MAC	00-0D-E9-09-C5-2F
Destination MAC	00-0D-E9-09-C5-210
Len/Type	08-00

IP Address IP Type - IPv4

Source IP	192.168.1.125
Destination IP	192.168.1.126

UDP Address Source Destination

UDP Port	4001	4002
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IP Header

Default Gateway	192.168.1.1
TTL	128
TOS/DS	0

IP/UDP settings

IP Checksum	Auto	IP ID	Auto
UDP Checksum	Auto		

Framesize

Type	Fixed		
Frame sizes	100	-	-
	-	-	

Payload

Payload	AB-CD
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VLAN

VLAN C - Tag	-	-	-
VLAN S - Tag	-	-	-

MPLS

MPLS1 Stack	-	-	-
MPLS2 Stack	-	-	-
MPLS3 Stack	-	-	-

Bandwidth Profile

Rate	5 %
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Stream5 Stream Configuration

Layer Selection

Layer	UDP
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MAC Header

Source MAC	00-0D-E9-09-C5-2F
Destination MAC	00-0D-E9-09-C5-210
Len/Type	08-00

IP Address IP Type - IPv4

Source IP	192.168.1.125
Destination IP	192.168.1.126

UDP Address Source Destination

UDP Port	5001	5002
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IP Header

Default Gateway	192.168.1.1
TTL	128
TOS/DS	0

IP/UDP settings

IP Checksum	Auto	IP ID	Auto
UDP Checksum	Auto		

Framesize

Type	Fixed		
Frame sizes	100	-	-
	-	-	

Payload

Payload	AB-CD
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VLAN

VLAN C - Tag	-	-	-
VLAN S - Tag	-	-	-

MPLS

MPLS1 Stack	-	-	-
MPLS2 Stack	-	-	-
MPLS3 Stack	-	-	-

Bandwidth Profile

Rate	5 %
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Stream6 Stream Configuration

Layer Selection	
Layer	UDP

MAC Header	
Source MAC	00-0D-E9-09-C5-2F
Destination MAC	00-0D-E9-09-C5-210
Len/Type	08-00

IP Address	IP Type - IPv4
Source IP	192.168.1.125
Destination IP	192.168.1.126

UDP Address	Source	Destination
UDP Port	6001	6002

IP Header	
Default Gateway	192.168.1.1
TTL	128
TOS/DS	0

IP/UDP settings			
IP Checksum	Auto	IP ID	Auto
UDP Checksum	Auto		

Framesize	
Type	Fixed
Frame sizes	100 - - - -

Payload	
Payload	AB-CD

VLAN			
VLAN C - Tag	-	-	-
VLAN S - Tag	-	-	-

MPLS			
MPLS1 Stack	-	-	-
MPLS2 Stack	-	-	-
MPLS3 Stack	-	-	-

Bandwidth Profile	
Rate	5 %

Stream7 Stream Configuration

Layer Selection	
Layer	UDP

MAC Header	
Source MAC	00-0D-E9-09-C5-2F
Destination MAC	00-0D-E9-09-C5-210
Len/Type	08-00

IP Address	IP Type - IPv4
Source IP	192.168.1.125
Destination IP	192.168.1.126

UDP Address	Source	Destination
UDP Port	7001	7002

IP Header	
Default Gateway	192.168.1.1
TTL	128
TOS/DS	0

IP/UDP settings			
IP Checksum	Auto	IP ID	Auto
UDP Checksum	Auto		

Framesize	
Type	Fixed
Frame sizes	100 - - - -

Payload	
Payload	AB-CD

VLAN			
VLAN C - Tag	-	-	-
VLAN S - Tag	-	-	-

MPLS			
MPLS1 Stack	-	-	-
MPLS2 Stack	-	-	-
MPLS3 Stack	-	-	-

Bandwidth Profile	
Rate	5 %

Stream8 Stream Configuration

Layer Selection

Layer	UDP
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MAC Header

Source MAC	00-0D-E9-09-C5-2F
Destination MAC	00-0D-E9-09-C5-210
Len/Type	08-00

IP Address IP Type - IPv4

Source IP	192.168.1.125
Destination IP	192.168.1.126

UDP Address Source Destination

UDP Port	8001	8002
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IP Header

Default Gateway	192.168.1.1
TTL	128
TOS/DS	0

IP/UDP settings

IP Checksum	Auto	IP ID	Auto
UDP Checksum	Auto		

Framesize

Type	Fixed
Frame sizes	100 - - - -

Payload

Payload	AB-CD
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VLAN

VLAN C - Tag	-	-	-
VLAN S - Tag	-	-	-

MPLS

MPLS1 Stack	-	-	-
MPLS2 Stack	-	-	-
MPLS3 Stack	-	-	-

Bandwidth Profile

Rate	5 %
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Stream9 Stream Configuration

Layer Selection	
Layer	UDP

MAC Header	
Source MAC	00-0D-E9-09-C5-2F
Destination MAC	00-0D-E9-09-C5-210
Len/Type	08-00

IP Address	IP Type - IPv4
Source IP	192.168.1.125
Destination IP	192.168.1.126

UDP Address	Source	Destination
UDP Port	9001	9002

IP Header	
Default Gateway	192.168.1.1
TTL	128
TOS/DS	0

IP/UDP settings			
IP Checksum	Auto	IP ID	Auto
UDP Checksum	Auto		

Framesize	
Type	Fixed
Frame sizes	100 - - - -

Payload	
Payload	AB-CD

VLAN			
VLAN C - Tag	-	-	-
VLAN S - Tag	-	-	-

MPLS			
MPLS1 Stack	-	-	-
MPLS2 Stack	-	-	-
MPLS3 Stack	-	-	-

Bandwidth Profile	
Rate	5 %

Stream10 Stream Configuration

Layer Selection	
Layer	UDP

MAC Header	
Source MAC	00-0D-E9-09-C5-2F
Destination MAC	00-0D-E9-09-C5-210
Len/Type	08-00

IP Address	IP Type - IPv4
Source IP	192.168.1.125
Destination IP	192.168.1.126

UDP Address	Source	Destination
UDP Port	10001	10002

IP Header	
Default Gateway	192.168.1.1
TTL	128
TOS/DS	0

IP/UDP settings			
IP Checksum	Auto	IP ID	Auto
UDP Checksum	Auto		

Framesize	
Type	Fixed
Frame sizes	100 - - - -

Payload	
Payload	AB-CD

VLAN			
VLAN C - Tag	-	-	-
VLAN S - Tag	-	-	-

MPLS			
MPLS1 Stack	-	-	-
MPLS2 Stack	-	-	-
MPLS3 Stack	-	-	-

Bandwidth Profile	
Rate	5 %

Stream11 Stream Configuration

Layer Selection	
Layer	UDP

MAC Header	
Source MAC	00-0D-E9-09-C5-2F
Destination MAC	00-0D-E9-09-C5-210
Len/Type	08-00

IP Address	IP Type - IPv4
Source IP	192.168.1.125
Destination IP	192.168.1.126

UDP Address	Source	Destination
UDP Port	11001	11002

IP Header	
Default Gateway	192.168.1.1
TTL	128
TOS/DS	0

IP/UDP settings			
IP Checksum	Auto	IP ID	Auto
UDP Checksum	Auto		

Framesize	
Type	Fixed
Frame sizes	100 - - - -

Payload	
Payload	AB-CD

VLAN			
VLAN C - Tag	-	-	-
VLAN S - Tag	-	-	-

MPLS			
MPLS1 Stack	-	-	-
MPLS2 Stack	-	-	-
MPLS3 Stack	-	-	-

Bandwidth Profile	
Rate	5 %

Stream12 Stream Configuration

Layer Selection	
Layer	UDP

MAC Header	
Source MAC	00-0D-E9-09-C5-2F
Destination MAC	00-0D-E9-09-C5-210
Len/Type	08-00

IP Address	IP Type - IPv4
Source IP	192.168.1.125
Destination IP	192.168.1.126

UDP Address	Source	Destination
UDP Port	12001	12002

IP Header	
Default Gateway	192.168.1.1
TTL	128
TOS/DS	0

IP/UDP settings			
IP Checksum	Auto	IP ID	Auto
UDP Checksum	Auto		

Framesize	
Type	Fixed
Frame sizes	100 - - - -

Payload	
Payload	AB-CD

VLAN			
VLAN C - Tag	-	-	-
VLAN S - Tag	-	-	-

MPLS			
MPLS1 Stack	-	-	-
MPLS2 Stack	-	-	-
MPLS3 Stack	-	-	-

Bandwidth Profile	
Rate	5 %

Stream13 Stream Configuration

Layer Selection	
Layer	UDP

MAC Header	
Source MAC	00-0D-E9-09-C5-2F
Destination MAC	00-0D-E9-09-C5-210
Len/Type	08-00

IP Address	IP Type - IPv4
Source IP	192.168.1.125
Destination IP	192.168.1.126

UDP Address	Source	Destination
UDP Port	13001	13002

IP Header	
Default Gateway	192.168.1.1
TTL	128
TOS/DS	0

IP/UDP settings			
IP Checksum	Auto	IP ID	Auto
UDP Checksum	Auto		

Framesize	
Type	Fixed
Frame sizes	100 - - - -

Payload	
Payload	AB-CD

VLAN			
VLAN C - Tag	-	-	-
VLAN S - Tag	-	-	-

MPLS			
MPLS1 Stack	-	-	-
MPLS2 Stack	-	-	-
MPLS3 Stack	-	-	-

Bandwidth Profile	
Rate	5 %

Stream14 Stream Configuration

Layer Selection	
Layer	UDP

MAC Header	
Source MAC	00-0D-E9-09-C5-2F
Destination MAC	00-0D-E9-09-C5-210
Len/Type	08-00

IP Address	IP Type - IPv4
Source IP	192.168.1.125
Destination IP	192.168.1.126

UDP Address	Source	Destination
UDP Port	14001	14002

IP Header	
Default Gateway	192.168.1.1
TTL	128
TOS/DS	0

IP/UDP settings			
IP Checksum	Auto	IP ID	Auto
UDP Checksum	Auto		

Framesize	
Type	Fixed
Frame sizes	100 - - - -

Payload	
Payload	AB-CD

VLAN			
VLAN C - Tag	-	-	-
VLAN S - Tag	-	-	-

MPLS			
MPLS1 Stack	-	-	-
MPLS2 Stack	-	-	-
MPLS3 Stack	-	-	-

Bandwidth Profile	
Rate	5 %

Stream15 Stream Configuration

Layer Selection	
Layer	UDP

MAC Header	
Source MAC	00-0D-E9-09-C5-2F
Destination MAC	00-0D-E9-09-C5-210
Len/Type	08-00

IP Address	IP Type - IPv4
Source IP	192.168.1.125
Destination IP	192.168.1.126

UDP Address	Source	Destination
UDP Port	15001	15002

IP Header	
Default Gateway	192.168.1.1
TTL	128
TOS/DS	0

IP/UDP settings			
IP Checksum	Auto	IP ID	Auto
UDP Checksum	Auto		

Framesize	
Type	Fixed
Frame sizes	100 - - - -

Payload	
Payload	AB-CD

VLAN			
VLAN C - Tag	-	-	-
VLAN S - Tag	-	-	-

MPLS			
MPLS1 Stack	-	-	-
MPLS2 Stack	-	-	-
MPLS3 Stack	-	-	-

Bandwidth Profile	
Rate	5 %

Stream16 Stream Configuration

Layer Selection	
Layer	UDP

MAC Header	
Source MAC	00-0D-E9-09-C5-2F
Destination MAC	00-0D-E9-09-C5-210
Len/Type	08-00

IP Address	IP Type - IPv4
Source IP	192.168.1.125
Destination IP	192.168.1.126

UDP Address	Source	Destination
UDP Port	16001	16002

IP Header	
Default Gateway	192.168.1.1
TTL	128
TOS/DS	0

IP/UDP settings			
IP Checksum	Auto	IP ID	Auto
UDP Checksum	Auto		

Framesize	
Type	Fixed
Frame sizes	100 - - - -

Payload	
Payload	AB-CD

VLAN			
VLAN C - Tag	-	-	-
VLAN S - Tag	-	-	-

MPLS			
MPLS1 Stack	-	-	-
MPLS2 Stack	-	-	-
MPLS3 Stack	-	-	-

Bandwidth Profile	
Rate	5 %

Test Statistics

Dev1/Port1 Statistics

Common Statistics		
--------------------------	--	--

	Tx	Rx
Bad Frames	0	0
Non Test Frames	-	0
FCS Error Frames	0	0
IP Checksum Errors	-	0
UDP Checksum Errors	-	0
Total Frames	27 302 394 831	27 302 269 616
Valid Frames	27 302 394 831	27 302 269 616
Number of Bytes	2 730 239 483 100	2 730 226 961 600

Frame Type Statistics		
------------------------------	--	--

	Tx	Rx
Broadcast Frames	0	0
Multicast Frames	0	0
Control Frames	0	0
VLAN Frames	0	0
Pause Frames	0	0

Length-wise Statistics		
-------------------------------	--	--

	Tx	Rx
Undersized Frames	0	0
64 Byte Frames	0	0
65-127 Byte Frames	27 302 394 831	27 302 269 616
128-255 Byte Frames	0	0
256-511 Byte Frames	0	0
512-1023 Byte Frames	0	0
1024-1518 Byte Frame	0	0
Oversized Frames	0	0

Rx VLAN Statistics	
---------------------------	--

1 Level Stacked VLAN	0
2 Level Stacked VLAN	0
3 Level Stacked VLAN	0

Rx MPLS Statistics	
---------------------------	--

1 Level Stacked MPLS	0
2 Level Stacked MPLS	0
3 Level Stacked MPLS	0

Rx IP Statistics	
-------------------------	--

IPv4 Packets	27 302 269 616
IPv6 Packets	0
UDP Packets	27 302 269 616
TCP Packets	0
ICMP Packets	0
IGMP Packets	0
IGRP Packets	0
Other Protocols Packets	0

Dev1/Port2 Statistics

Common Statistics

	Tx	Rx
Bad Frames	0	0
Non Test Frames	-	0
FCS Error Frames	0	0
IP Checksum Errors	-	0
UDP Checksum Errors	-	0
Total Frames	27 302 269 616	27 302 394 831
Valid Frames	27 302 269 616	27 302 394 831
Number of Bytes	2 730 226 961 600	2 730 239 483 100

Frame Type Statistics

	Tx	Rx
Broadcast Frames	0	0
Multicast Frames	0	0
Control Frames	0	0
VLAN Frames	0	0
Pause Frames	0	0

Length-wise Statistics

	Tx	Rx
Undersized Frames	0	0
64 Byte Frames	0	0
65-127 Byte Frames	27 302 269 616	27 302 394 831
128-255 Byte Frames	0	0
256-511 Byte Frames	0	0
512-1023 Byte Frames	0	0
1024-1518 Byte Frame	0	0
Oversized Frames	0	0

Rx VLAN Statistics

1 Level Stacked VLAN	0
2 Level Stacked VLAN	0
3 Level Stacked VLAN	0

Rx MPLS Statistics

1 Level Stacked MPLS	0
2 Level Stacked MPLS	0
3 Level Stacked MPLS	0

Rx IP Statistics

IPv4 Packets	27 302 394 831
IPv6 Packets	0
UDP Packets	27 302 394 831
TCP Packets	0
ICMP Packets	0
IGMP Packets	0
IGRP Packets	0
Other Protocols Packets	0

Alarms / Errors

Dev1/Port1 Ethernet Statistics

Ethernet Alarms Duration	
Link Down	00:00:00
Local Fault Detected	00:00:00
Local Fault Received	00:00:00
Remote Fault Detected	00:00:00
High SER	-

Ethernet Frame Errors			
	Duration	Count	Rate
FCS Errors	00:00:00	0	0.00
Stomped FCS Errors	00:00:00	0	0.00
Code Violations	00:00:00	0	-
Jabber	00:00:00	0	0.00
Too Long	00:00:00	0	0.00
Runt	00:00:00	0	0.00
Undersized	00:00:00	0	0.00

Dev1/Port2 Ethernet Statistics

Ethernet Alarms Duration	
Link Down	00:00:00
Local Fault Detected	00:00:00
Local Fault Received	00:00:00
Remote Fault Detected	00:00:00
High SER	-

Ethernet Frame Errors			
	Duration	Count	Rate
FCS Errors	00:00:00	0	0.00
Stomped FCS Errors	00:00:00	0	0.00
Code Violations	00:00:00	0	-
Jabber	00:00:00	0	0.00
Too Long	00:00:00	0	0.00
Runt	00:00:00	0	0.00
Undersized	00:00:00	0	0.00

Dev1/Port1 PCS Error Statistics

PCS Error Duration	
Loss of Alignment	00:00:00
Loss of Block Lock	00:00:00
Loss of Alignment Marker Lock	00:00:00

PCS Errors		
	Duration	Count
Invalid Alignment markers	00:00:00	0
Sync Header Errors	00:00:00	0
PCS BIP Errors	00:00:00	0

Dev1/Port2 PCS Error Statistics

PCS Error Duration	
Loss of Alignment	00:00:00
Loss of Block Lock	00:00:00
Loss of Alignment Marker Lock	00:00:00

PCS Errors		
	Duration	Count
Invalid Alignment markers	00:00:00	0
Sync Header Errors	00:00:00	0
PCS BIP Errors	00:00:00	0

Dev1/Port1 FEC Error Statistics

RS-FEC Alarm Duration

Loss of Alignment	00:00:00
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RS-FEC Counters

	Duration	Count
Corrected RS-FEC code words	00:00:00	0
Uncorrected RS-FEC code words	00:00:00	0

FEC Lane Alarms (Loss Of Alignment)

Lane No	Duration
1	00:00:00
2	00:00:00
3	00:00:00
4	00:00:00

RS-FEC Lane errors (RS Symbol Errors)

Lane No	Duration	Count
1	00:00:00	0
2	00:00:00	0
3	00:00:00	0
4	00:00:00	0

Dev1/Port2 FEC Error Statistics

RS-FEC Alarm Duration

Loss of Alignment	00:00:00
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RS-FEC Counters

	Duration	Count
Corrected RS-FEC code words	00:00:00	0
Uncorrected RS-FEC code words	00:00:00	0

FEC Lane Alarms (Loss Of Alignment)

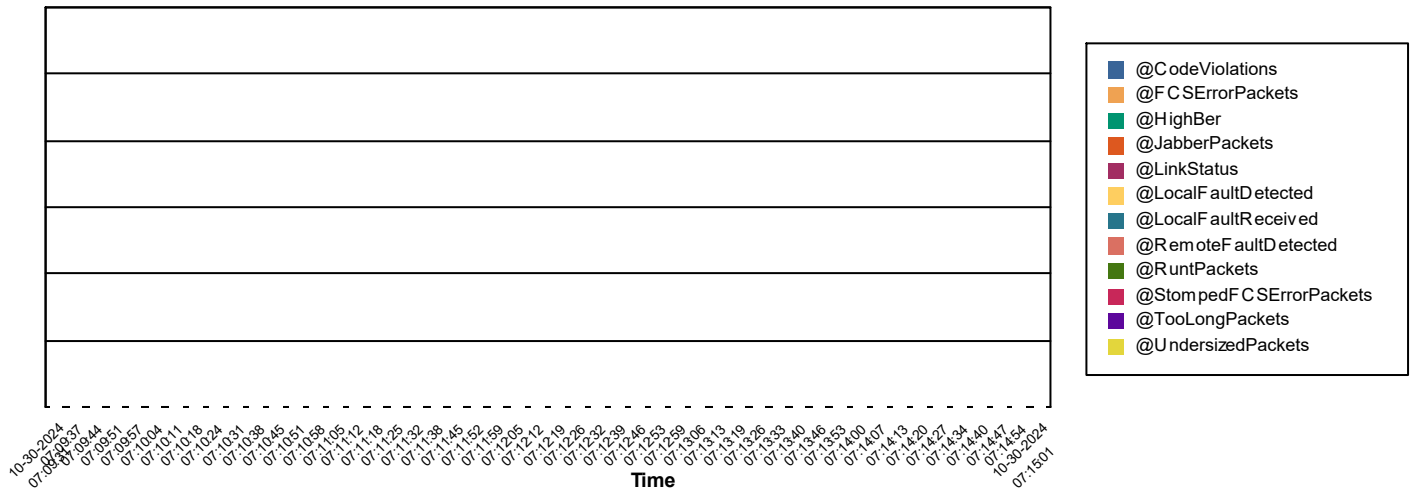
Lane No	Duration
1	00:00:00
2	00:00:00
3	00:00:00
4	00:00:00

RS-FEC Lane errors (RS Symbol Errors)

Lane No	Duration	Count
1	00:00:00	0
2	00:00:00	0
3	00:00:00	0
4	00:00:00	0

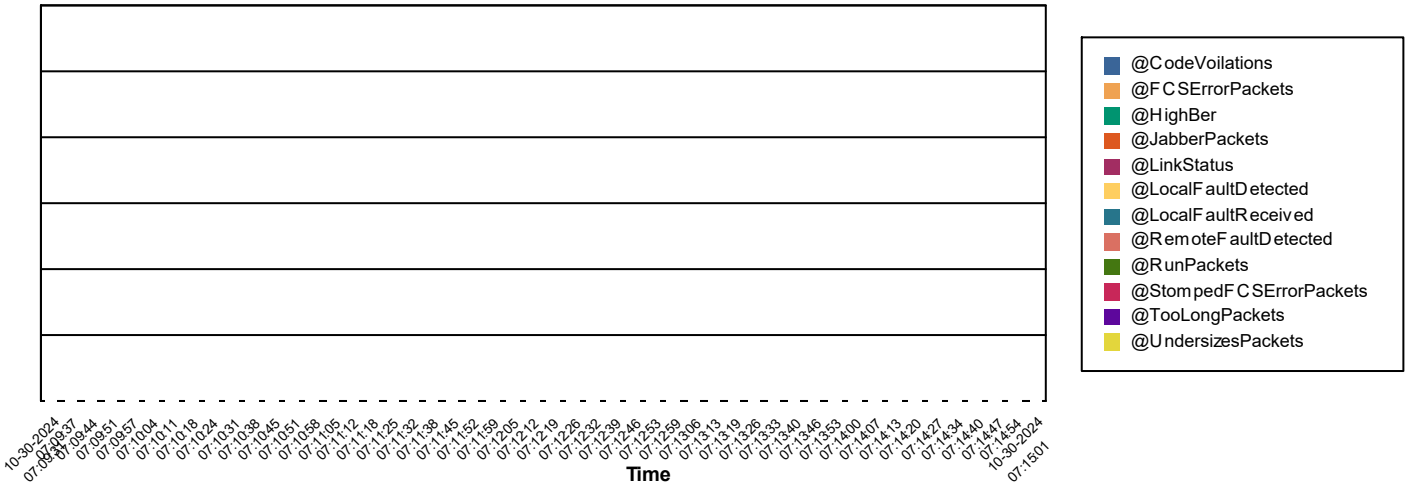
Dev1/Port1 Graph

Ethernet Errors Graph



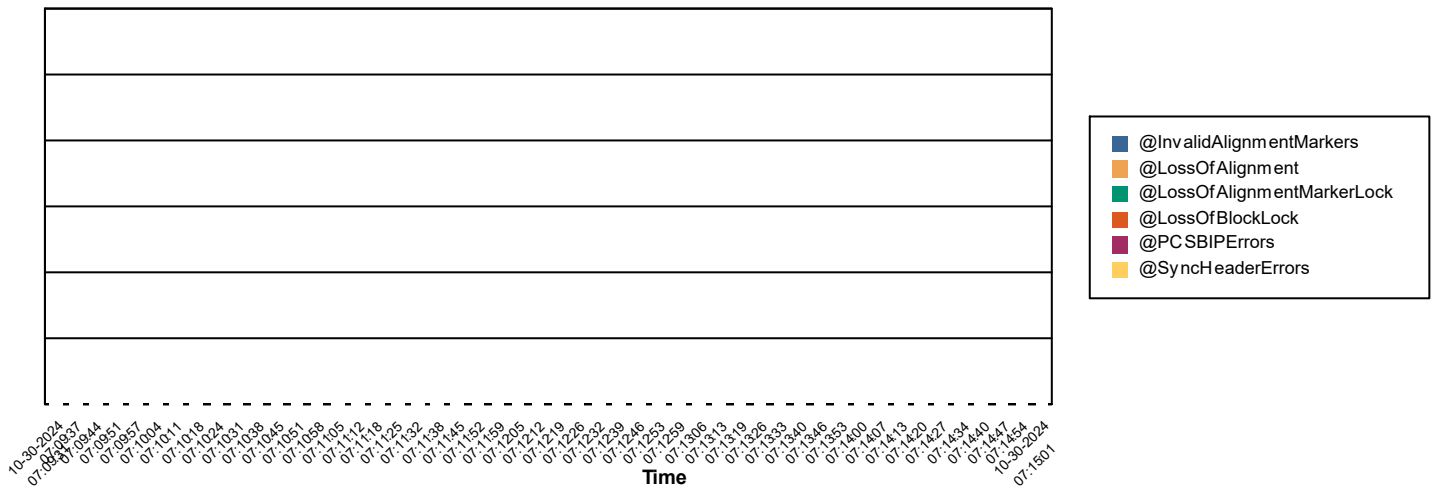
Dev1/Port2 Graph

Ethernet Errors Graph



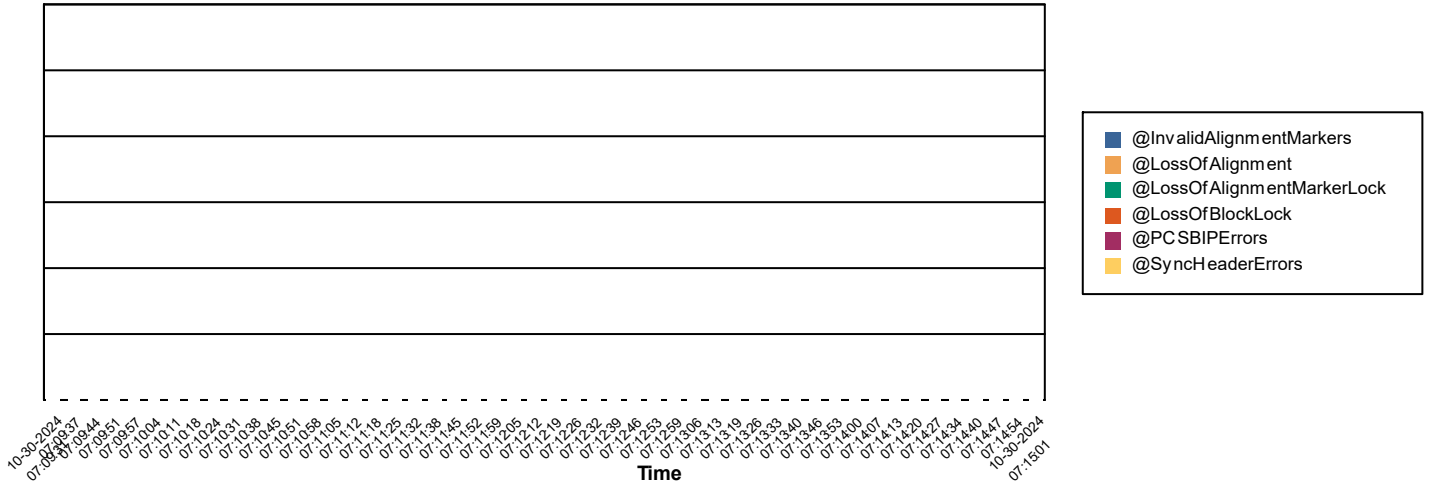
Dev1/Port1 Graph

PCS Lane Errors Graph



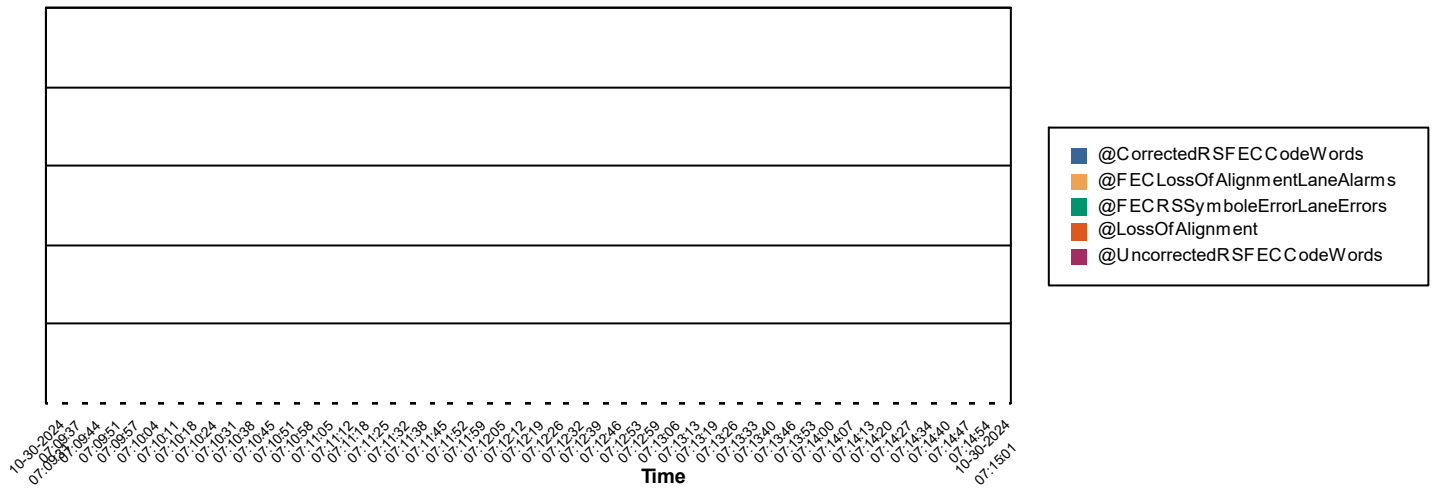
Dev1/Port2 Graph

PCS Lane Errors Graph



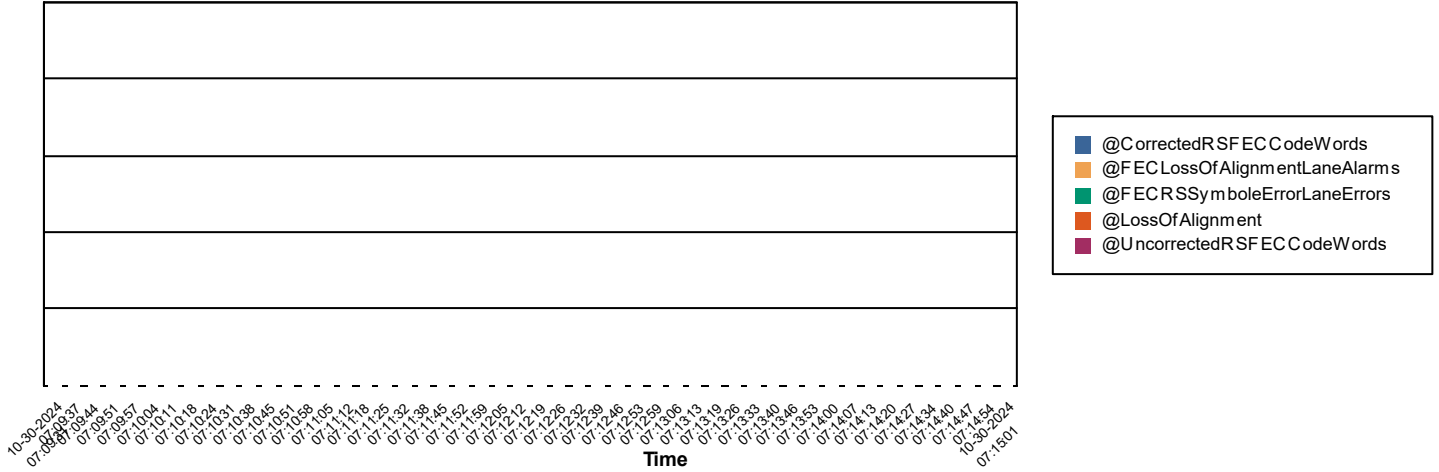
Dev1/Port1 Graph

RS-FEC Lane Errors Graph



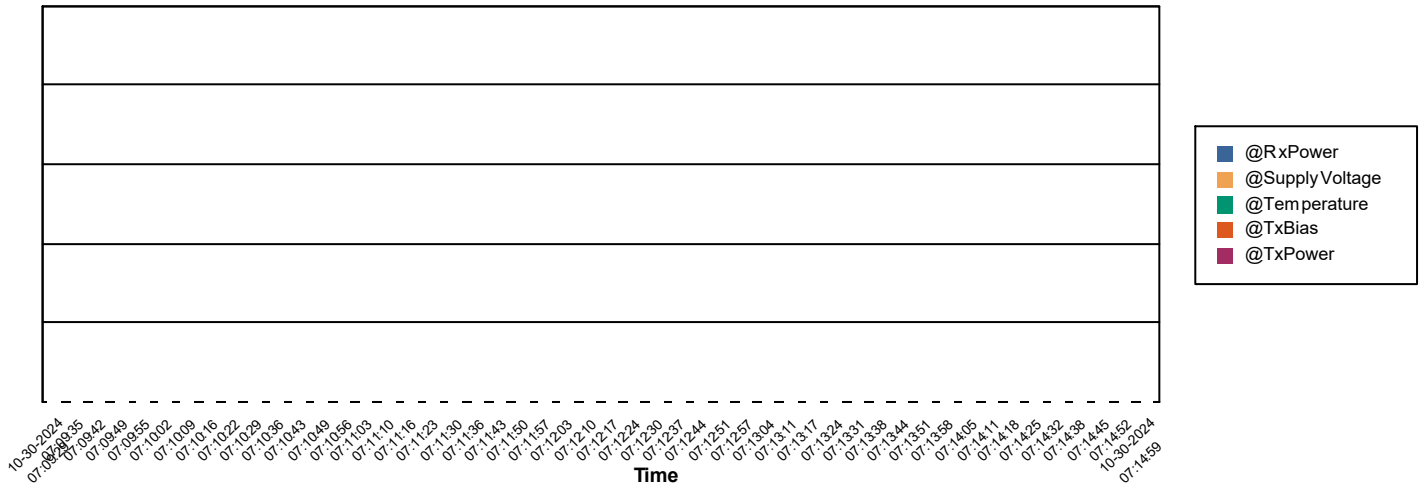
Dev1/Port2 Graph

RS-FEC Lane Errors Graph



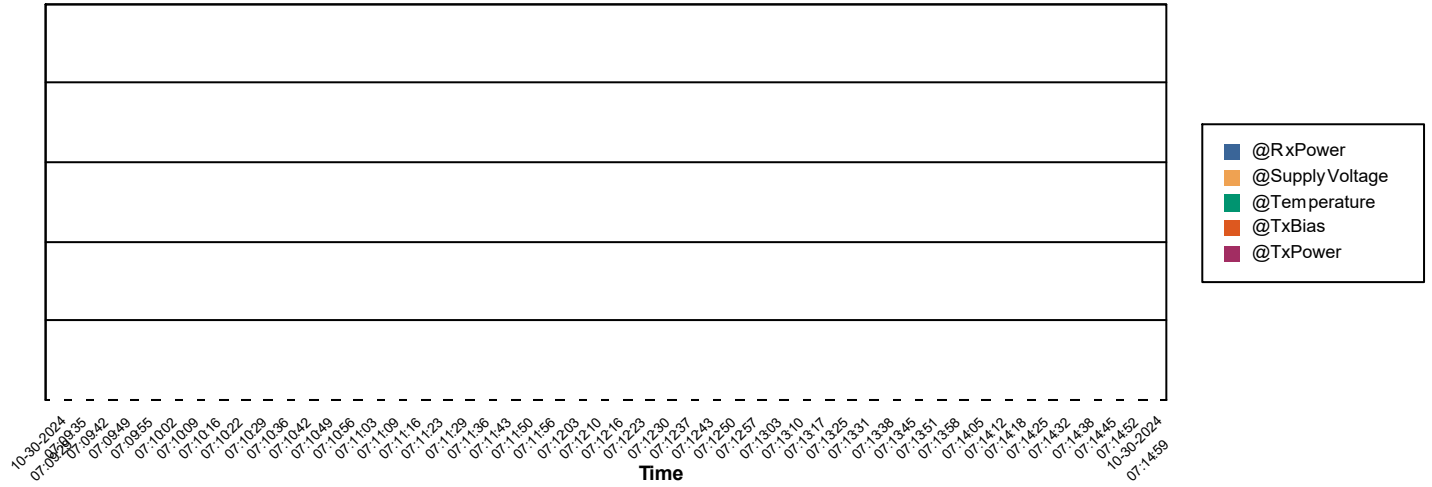
Dev1/Port1 Graph

SFP Monitor Graph



Dev1/Port2 Graph

SFP Monitor Graph



SFP Monitor

Dev1/Port1 SFP Monitor				
	Alarms	Avg	Min	Max
Temperature(C)	Clear	42.83	41.80	44.56
Supply Voltage(V)	Clear	3.27	3.26	3.28
Rx1 Power(dBm)	History	1.38	1.33	1.44
Rx2 Power(dBm)	History	1.46	1.40	1.53
Rx3 Power(dBm)	History	1.49	1.38	1.59
Rx4 Power(dBm)	Clear	1.48	1.43	1.53
Tx1 Power(dBm)	Clear	-0.01	-0.02	0.01
Tx2 Power(dBm)	Clear	0.16	0.15	0.18
Tx3 Power(dBm)	Clear	0.32	0.31	0.33
Tx4 Power(dBm)	Clear	-0.03	-0.05	-0.02
Tx1 Bias(mA)	Clear	6.40	6.38	6.42
Tx2 Bias(mA)	Clear	6.40	6.38	6.42
Tx3 Bias(mA)	Clear	6.40	6.38	6.42
Tx4 Bias(mA)	Clear	6.40	6.38	6.42

Dev1/Port2 SFP Monitor				
	Alarms	Avg	Min	Max
Temperature(C)	Clear	44.64	43.03	46.06
Supply Voltage(V)	Clear	3.27	3.26	3.29
Rx1 Power(dBm)	History	1.14	1.08	1.22
Rx2 Power(dBm)	History	1.09	1.04	1.15
Rx3 Power(dBm)	History	0.96	0.88	1.04
Rx4 Power(dBm)	History	1.02	0.92	1.11
Tx1 Power(dBm)	Clear	-0.01	-0.02	0.01
Tx2 Power(dBm)	Clear	0.16	0.15	0.18
Tx3 Power(dBm)	Clear	0.32	0.31	0.33
Tx4 Power(dBm)	Clear	-0.03	-0.05	-0.02
Tx1 Bias(mA)	Clear	6.40	6.38	6.42
Tx2 Bias(mA)	Clear	6.40	6.38	6.42
Tx3 Bias(mA)	Clear	6.40	6.38	6.42
Tx4 Bias(mA)	Clear	6.40	6.38	6.42

Devices & Ports Information

Device1 Information	
Device Name	Device1
Serial Number	0000-279473
Model	860-0001-01-20
Board Name	NT200A02-01
FPGA Version	24.10.18

Dev1/Port1SFP Information	
Identifier	QSFP28 or later with SFF-8636 management interface
Connector Type	MPO 1x12 (Multifiber Parallel Optic)
Ethernet Compliance	100GBASE-SR4 or 25GBASE-SR
Encoding	64B/66B
Nominal Signalling Rate	> 25.4 GBd
Length SMF	-
Length OM3 50um	200m
Length OM2 50um	-
Length OM1 62.5um	-
Length OM4 50um	6m
Device Technology	850 nm VCSEL
Vendor Name	FiberMall
Vendor OUI	1534464
Vendor Part Number	QSFP28-100G-AOC-
Wavelength	850 nm
Vendor Revision	A0
Vendor Serial Number	MC243650005
Vendor Date Code	09/12/24

Dev1/Port2SFP Information	
Identifier	QSFP28 or later with SFF-8636 management interface
Connector Type	MPO 1x12 (Multifiber Parallel Optic)
Ethernet Compliance	100GBASE-SR4 or 25GBASE-SR
Encoding	64B/66B
Nominal Signalling Rate	> 25.4 GBd
Length SMF	-
Length OM3 50um	200m
Length OM2 50um	-
Length OM1 62.5um	-
Length OM4 50um	6m
Device Technology	850 nm VCSEL
Vendor Name	FiberMall
Vendor OUI	1534464
Vendor Part Number	QSFP28-100G-AOC-
Wavelength	850 nm
Vendor Revision	A0
Vendor Serial Number	MC243650005
Vendor Date Code	09/12/24

Dev1/Port1 Interface Details	
Link Speed	100 G
FEC Status	MAC FEC Enabled
MAC Address	00-0D-E9-09-C5-2F
IPv4 Address	192.168.1.125
Subnet Mask	255.255.255.0
Default Gateway	192.168.1.1
IPv6 Address	1111:1111:1111:1111:1111:111:1111:0011

Dev1/Port2 Interface Details	
Link Speed	100 G
FEC Status	MAC FEC Enabled
MAC Address	00-0D-E9-09-C5-210
IPv4 Address	192.168.1.126
Subnet Mask	255.255.255.0
Default Gateway	192.168.1.1
IPv6 Address	2222:2222:2222:2222:2222:2222:2222:0012

Event Log

Events				
Port	Name	Start Time	Duration	Details
Dev1/Port1	Start Rx	10-30-2024 07:09:29.715	00:00:01	-
Dev1/Port2	Start Rx	10-30-2024 07:09:29.742	00:00:01	-
Dev1/Port1	Start Tx	10-30-2024 07:09:29.757	00:00:01	-
Dev1/Port2	Start Tx	10-30-2024 07:09:29.775	00:00:01	-
Dev1/Port1	Stop Tx	10-30-2024 07:15:00.508	00:00:01	-
Dev1/Port2	Stop Tx	10-30-2024 07:15:00.523	00:00:01	-
Dev1/Port2	Stop Tx	10-30-2024 07:15:02.588	00:00:01	-
Dev1/Port2	Stop Rx	10-30-2024 07:15:02.588	00:00:01	-
Dev1/Port1	Stop Tx	10-30-2024 07:15:02.588	00:00:01	-
Dev1/Port1	Stop Rx	10-30-2024 07:15:02.588	00:00:01	-