



Test Report TR S2510PoE-DC
Firmware Version build 71585

Contents

1. Introduction	3
2. About This Test Report	4
3. Test Report	
A. RJIL-IP-QA-DS-SYS-075	5



1. Introduction

This document is known for problems and solutions for TECHROUTES TR S2510PoE-DC Series switch.

2. About This Test Report

This Test Report provides information for

A. To check the support of Bidirectional SFP for uplink and downlink interfaces.

Present software version- Version 2.2.0C Build 71585;

Present hardware version- V1.0;

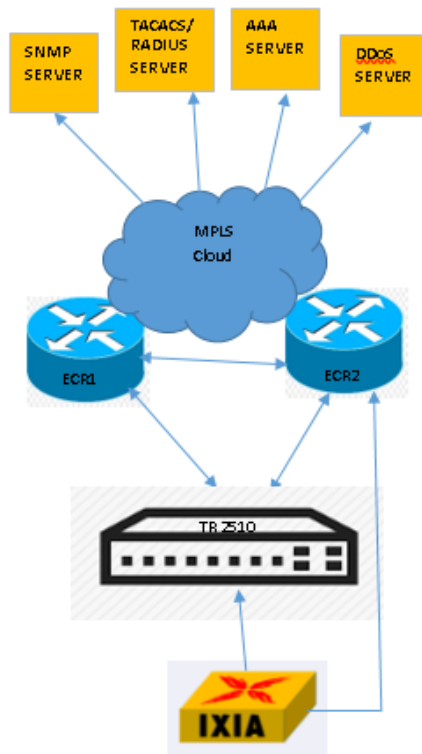


3. Test Report

A. RJIL-IP-QA-DS-SYS-075

1. To check the support of Bidirectional SFP for uplink and downlink interfaces.

2. Test Set up : Switch , ECR1, ECR2, IXIA ,Bidirectional SFP





3. Switch Configuration :

```
Switch_config# ddm enable
```

4. Procedure:

1. Connect switch to IXIA and ECR1 ,ECR2
2. Insert the bidirectional SFP on Switch port Gi 0/1 towards uplink
3. Generate traffic from IXIA and is forwarded to switch towards uplink

5. Test Result :

Ping management IP of switch through 2 SFP

```
Switch1_config#ping 192.168.0.2
```

```
PING 192.168.0.2 (192.168.0.2): 56 data bytes
```

```
!!!!
```

```
--- 192.168.0.2 ping statistics ---
```

```
5 packets transmitted, 5 packets received, 0% packet loss
```

```
round-trip min/avg/max = 0/0/0 ms
```

```
Switch1_config#show inter gigaEthernet 0/1
```

```
GigaEthernet0/1 is up, line protocol is up
```

```
  Ifindex is 1, unique port number is 1
```

```
  Hardware is Giga-FX-SFP, address is 5ccc.ff19.2e57 (bia 5ccc.ff19.2e57)
```

```
  MTU 1500 bytes, BW 1000000 kbit, DLY 10 usec
```

```
  Encapsulation ARPA
```



Full-duplex, Auto-Speed(1000Mb/s), Flow-Control Off

Transceiver Info:

SFP,LC,1490nm,1000BASE-FX,SM 20KM

DDM:YES,vend name:TECHROUTES

DDM info:

TX power:-5.91 dBm, RX power:-3.90 dBm

SFP temperature:36.50 C,supply voltage :3.35V,Bias Current.:20.00mA

5 minutes input rate 13 bits/sec, 0 packets/sec

5 minutes output rate 123 bits/sec, 0 packets/sec

Received 5 packets, 320 bytes

15 broadcasts, 5 multicasts

0 discard, 0 error, 0 PAUSE

0 align, 0 FCS, 0 symbol

0 jabber, 0 oversize, 0 undersize

0 carriersense, 0 collision, 0 fragment

0 L3 packets, 0 discards, 0 Header errors

Transmitted 45 packets, 2880 bytes

25 broadcasts, 45 multicasts

0 discard, 0 error, 0 PAUSE

0 sqetest, 0 deferred, 0 oversize



0 single, 0 multiple, 0 excessive, 0 late

0 L3 forwards

Switch2_config#show interface gigaEthernet 0/2

GigaEthernet0/2 is up, line protocol is up

Ifindex is 2, unique port number is 2

Hardware is Giga-FX-SFP, address is 5ccc.ff19.2e58 (bia 5ccc.ff19.2e58)

MTU 1500 bytes, BW 1000000 kbit, DLY 10 usec

Encapsulation ARPA

Full-duplex, Auto-Speed(1000Mb/s), Flow-Control Off

Transceiver Info:

SFP,LC,1310nm,1000BASE-FX,SM 20KM

DDM:YES,vend name:TECHROUTES

DDM info:

TX power:-6.70 dBM, RX power:-6.00 dBM

SFP temperature:38.50 C,supply voltage :3.24V,Bias Current.:18.74mA

5 minutes input rate 126 bits/sec, 0 packets/sec

5 minutes output rate 12 bits/sec, 0 packets/sec

Received 50 packets, 3200 bytes

23 broadcasts, 50 multicasts

0 discard, 0 error, 0 PAUSE

0 align, 0 FCS, 0 symbol



0 jabber, 0 oversize, 0 undersize

0 carriersense, 0 collision, 0 fragment

0 L3 packets, 0 discards, 0 Header errors

Transmitted 31 packets, 320 bytes

18 broadcasts, 5 multicasts

0 discard, 0 error, 0 PAUSE

0 sqettest, 0 deferred, 0 oversize

0 single, 0 multiple, 0 excessive, 0 late

0 L3 forwards

