

SFP-10G-T-100

TEST REPORT (Cisco)



Content

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1. Test Purpose

By building test scenarios and simulating the customer's usage environment, we test whether the module performance meets the customer's requirements.

2. Test Result Summary

Table 2-1: Test Result Summary

| Test Items | Test Result |
|--------------------------|-------------|
| Muti-Version | Pass |
| Connectivity | Pass |
| Module Basic Information | Pass |

3. Test Equipment Used


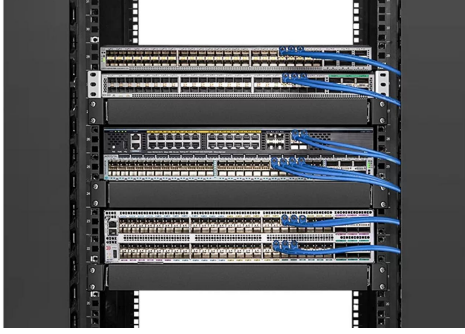

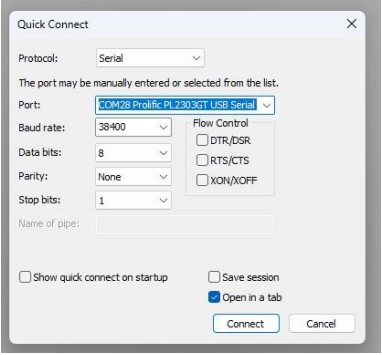
Table 3-1: Test Equipment Used

| Vendor | Device | Soft Version/Compatible Brand | Serial Number |
|------------------------------------|----------------|-------------------------------|----------------------------|
| Cisco Switch | C1000-24T-4X-L | 15.2(7)E4 | / |
| Intel Network Interface Card (NIC) | Intel X710-DA2 | 9.50 0x8000f167 | / |
| FS Optical Transceiver Module | SFP-10G-T-100 | Cisco Compatible | CS220427053 CS220427054 |
| FS Server | RS7260 | / | / |

4. Test Data

4.1 Test Scenario

Table 4-1: Test Scenario

| | |
|-----------------------------|---|
| <p>Test Topology</p> | <p>Network topology:</p>  <p>Interoperability test scenario :</p>  |
| <p>Test Premise</p> | <ol style="list-style-type: none"> 1. Confirm the brand, quantity and placement of the switches to be tested. 2. Prepare control cables, test software and optical fiber patch cords. Power on the switches in advance. 3. Locate the Console port on the switch, which is usually marked as "CON" on the switch, although some switches may display it as "IOIO" or a computer monitor icon, etc. Use a control cable to connect the switch to the computer.  <ol style="list-style-type: none"> 4. Before connecting the software, it is necessary to confirm the connection port of the control cable. Go to the computer device manager, click on the ports (COM and LPT) to view the ports. After confirming the ports, proceed with the next step. |
| <p>Test Method</p> | <p>Click to open the SecureCRT Portable software and enter the quick connection interface.</p> <ol style="list-style-type: none"> ① Protocol selection: Serial ② Port selection: The same as the port you viewed in the previous step ③ Baud rate selection: The same as the baud rate of the port on the target switch ④ Flow control: Do not check this option <p>The remaining configurations can keep the default values.</p>  |

| | |
|-------------------|--|
| Test Steps | <p>① Insert the module into the corresponding rate port of the switch, and connect the TX-RX ends with an optical fiber jumper or an MTP self-loop device. Observe whether the module is connected. If not connected, please check the jumper connection or the switch port configuration (login to the switch is required).</p> <p>② Enter the test interface, input the account and password, log in to the switch and enter privileged mode.</p> <p>③ According to the switch command configuration table, input the corresponding test command and view the relevant information: port status (connectivity), connection rate, alarm status, module basic information, etc. Determine whether it meets the requirements.</p> |
|-------------------|--|

4.2 Test Result

Table 4-2: Test Result

| Test Information | <p>1. Read the switch model name and software version, and read the status of all ports on the switch</p> <pre>Switch#show version Cisco IOS Software, C1000 Software (C1000-UNIVERSALK9-M), Version 15.2(7)E4, RELEASE SOFTWARE (fc2) Technical Support: http://www.cisco.com/techsupport Copyright (c) 1986-2021 by Cisco Systems, Inc. Compiled Mon 08-Mar-21 09:07 by prod_rel_team</pre> <p>Switch#show interface status</p> <table border="1"> <thead> <tr> <th>Port</th> <th>Name</th> <th>Status</th> <th>Vlan</th> <th>Duplex</th> <th>Speed</th> <th>Type</th> </tr> </thead> <tbody> <tr><td>Gi1/0/1</td><td></td><td>notconnect</td><td>1</td><td>auto</td><td>auto</td><td>10/100/1000BaseTX</td></tr> <tr><td>Gi1/0/2</td><td></td><td>notconnect</td><td>1</td><td>auto</td><td>auto</td><td>10/100/1000BaseTX</td></tr> <tr><td>Gi1/0/3</td><td></td><td>notconnect</td><td>1</td><td>auto</td><td>auto</td><td>10/100/1000BaseTX</td></tr> <tr><td>Gi1/0/4</td><td></td><td>notconnect</td><td>1</td><td>auto</td><td>auto</td><td>10/100/1000BaseTX</td></tr> <tr><td>Gi1/0/5</td><td></td><td>notconnect</td><td>1</td><td>auto</td><td>auto</td><td>10/100/1000BaseTX</td></tr> <tr><td>Gi1/0/6</td><td></td><td>notconnect</td><td>1</td><td>auto</td><td>auto</td><td>10/100/1000BaseTX</td></tr> <tr><td>Gi1/0/7</td><td></td><td>notconnect</td><td>1</td><td>auto</td><td>auto</td><td>10/100/1000BaseTX</td></tr> <tr><td>Gi1/0/8</td><td></td><td>notconnect</td><td>1</td><td>auto</td><td>auto</td><td>10/100/1000BaseTX</td></tr> <tr><td>Gi1/0/9</td><td></td><td>notconnect</td><td>1</td><td>auto</td><td>auto</td><td>10/100/1000BaseTX</td></tr> <tr><td>Gi1/0/10</td><td></td><td>notconnect</td><td>1</td><td>auto</td><td>auto</td><td>10/100/1000BaseTX</td></tr> <tr><td>Gi1/0/11</td><td></td><td>notconnect</td><td>1</td><td>auto</td><td>auto</td><td>10/100/1000BaseTX</td></tr> <tr><td>Gi1/0/12</td><td></td><td>notconnect</td><td>1</td><td>auto</td><td>auto</td><td>10/100/1000BaseTX</td></tr> <tr><td>Gi1/0/13</td><td></td><td>notconnect</td><td>1</td><td>auto</td><td>auto</td><td>10/100/1000BaseTX</td></tr> <tr><td>Gi1/0/14</td><td></td><td>notconnect</td><td>1</td><td>auto</td><td>auto</td><td>10/100/1000BaseTX</td></tr> <tr><td>Gi1/0/15</td><td></td><td>notconnect</td><td>1</td><td>auto</td><td>auto</td><td>10/100/1000BaseTX</td></tr> <tr><td>Gi1/0/16</td><td></td><td>notconnect</td><td>1</td><td>auto</td><td>auto</td><td>10/100/1000BaseTX</td></tr> <tr><td>Gi1/0/17</td><td></td><td>notconnect</td><td>1</td><td>auto</td><td>auto</td><td>10/100/1000BaseTX</td></tr> <tr><td>Gi1/0/18</td><td></td><td>notconnect</td><td>1</td><td>auto</td><td>auto</td><td>10/100/1000BaseTX</td></tr> <tr><td>Gi1/0/19</td><td></td><td>notconnect</td><td>1</td><td>auto</td><td>auto</td><td>10/100/1000BaseTX</td></tr> <tr><td>Gi1/0/20</td><td></td><td>notconnect</td><td>1</td><td>auto</td><td>auto</td><td>10/100/1000BaseTX</td></tr> <tr><td>Gi1/0/21</td><td></td><td>notconnect</td><td>1</td><td>auto</td><td>auto</td><td>10/100/1000BaseTX</td></tr> <tr><td>Gi1/0/22</td><td></td><td>notconnect</td><td>1</td><td>auto</td><td>auto</td><td>10/100/1000BaseTX</td></tr> <tr><td>Gi1/0/23</td><td></td><td>notconnect</td><td>1</td><td>auto</td><td>auto</td><td>10/100/1000BaseTX</td></tr> <tr><td>Gi1/0/24</td><td></td><td>notconnect</td><td>1</td><td>auto</td><td>auto</td><td>10/100/1000BaseTX</td></tr> <tr><td>Te1/0/1</td><td></td><td>err-disabled</td><td>1</td><td>full</td><td>10G</td><td>Not Present</td></tr> <tr><td>Te1/0/2</td><td></td><td>err-disabled</td><td>1</td><td>full</td><td>10G</td><td>Not Present</td></tr> <tr><td>Te1/0/3</td><td></td><td>connected</td><td>1</td><td>full</td><td>10G</td><td>SFP-10GBase-SR</td></tr> <tr><td>Te1/0/4</td><td></td><td>connected</td><td>1</td><td>full</td><td>10G</td><td>SFP-10GBase-SR</td></tr> </tbody> </table> | Port | Name | Status | Vlan | Duplex | Speed | Type | Gi1/0/1 | | notconnect | 1 | auto | auto | 10/100/1000BaseTX | Gi1/0/2 | | notconnect | 1 | auto | auto | 10/100/1000BaseTX | Gi1/0/3 | | notconnect | 1 | auto | auto | 10/100/1000BaseTX | Gi1/0/4 | | notconnect | 1 | auto | auto | 10/100/1000BaseTX | Gi1/0/5 | | notconnect | 1 | auto | auto | 10/100/1000BaseTX | Gi1/0/6 | | notconnect | 1 | auto | auto | 10/100/1000BaseTX | Gi1/0/7 | | notconnect | 1 | auto | auto | 10/100/1000BaseTX | Gi1/0/8 | | notconnect | 1 | auto | auto | 10/100/1000BaseTX | Gi1/0/9 | | notconnect | 1 | auto | auto | 10/100/1000BaseTX | Gi1/0/10 | | notconnect | 1 | auto | auto | 10/100/1000BaseTX | Gi1/0/11 | | notconnect | 1 | auto | auto | 10/100/1000BaseTX | Gi1/0/12 | | notconnect | 1 | auto | auto | 10/100/1000BaseTX | Gi1/0/13 | | notconnect | 1 | auto | auto | 10/100/1000BaseTX | Gi1/0/14 | | notconnect | 1 | auto | auto | 10/100/1000BaseTX | Gi1/0/15 | | notconnect | 1 | auto | auto | 10/100/1000BaseTX | Gi1/0/16 | | notconnect | 1 | auto | auto | 10/100/1000BaseTX | Gi1/0/17 | | notconnect | 1 | auto | auto | 10/100/1000BaseTX | Gi1/0/18 | | notconnect | 1 | auto | auto | 10/100/1000BaseTX | Gi1/0/19 | | notconnect | 1 | auto | auto | 10/100/1000BaseTX | Gi1/0/20 | | notconnect | 1 | auto | auto | 10/100/1000BaseTX | Gi1/0/21 | | notconnect | 1 | auto | auto | 10/100/1000BaseTX | Gi1/0/22 | | notconnect | 1 | auto | auto | 10/100/1000BaseTX | Gi1/0/23 | | notconnect | 1 | auto | auto | 10/100/1000BaseTX | Gi1/0/24 | | notconnect | 1 | auto | auto | 10/100/1000BaseTX | Te1/0/1 | | err-disabled | 1 | full | 10G | Not Present | Te1/0/2 | | err-disabled | 1 | full | 10G | Not Present | Te1/0/3 | | connected | 1 | full | 10G | SFP-10GBase-SR | Te1/0/4 | | connected | 1 | full | 10G | SFP-10GBase-SR |
|-------------------------|--|--------------|------|--------|-------|-------------------|-------|------|---------|--|------------|---|------|------|-------------------|---------|--|------------|---|------|------|-------------------|---------|--|------------|---|------|------|-------------------|---------|--|------------|---|------|------|-------------------|---------|--|------------|---|------|------|-------------------|---------|--|------------|---|------|------|-------------------|---------|--|------------|---|------|------|-------------------|---------|--|------------|---|------|------|-------------------|---------|--|------------|---|------|------|-------------------|----------|--|------------|---|------|------|-------------------|----------|--|------------|---|------|------|-------------------|----------|--|------------|---|------|------|-------------------|----------|--|------------|---|------|------|-------------------|----------|--|------------|---|------|------|-------------------|----------|--|------------|---|------|------|-------------------|----------|--|------------|---|------|------|-------------------|----------|--|------------|---|------|------|-------------------|----------|--|------------|---|------|------|-------------------|----------|--|------------|---|------|------|-------------------|----------|--|------------|---|------|------|-------------------|----------|--|------------|---|------|------|-------------------|----------|--|------------|---|------|------|-------------------|----------|--|------------|---|------|------|-------------------|----------|--|------------|---|------|------|-------------------|---------|--|--------------|---|------|-----|-------------|---------|--|--------------|---|------|-----|-------------|---------|--|-----------|---|------|-----|----------------|---------|--|-----------|---|------|-----|----------------|
| Port | Name | Status | Vlan | Duplex | Speed | Type | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gi1/0/1 | | notconnect | 1 | auto | auto | 10/100/1000BaseTX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gi1/0/2 | | notconnect | 1 | auto | auto | 10/100/1000BaseTX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gi1/0/3 | | notconnect | 1 | auto | auto | 10/100/1000BaseTX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gi1/0/4 | | notconnect | 1 | auto | auto | 10/100/1000BaseTX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gi1/0/5 | | notconnect | 1 | auto | auto | 10/100/1000BaseTX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gi1/0/6 | | notconnect | 1 | auto | auto | 10/100/1000BaseTX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gi1/0/7 | | notconnect | 1 | auto | auto | 10/100/1000BaseTX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gi1/0/8 | | notconnect | 1 | auto | auto | 10/100/1000BaseTX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gi1/0/9 | | notconnect | 1 | auto | auto | 10/100/1000BaseTX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gi1/0/10 | | notconnect | 1 | auto | auto | 10/100/1000BaseTX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gi1/0/11 | | notconnect | 1 | auto | auto | 10/100/1000BaseTX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gi1/0/12 | | notconnect | 1 | auto | auto | 10/100/1000BaseTX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gi1/0/13 | | notconnect | 1 | auto | auto | 10/100/1000BaseTX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gi1/0/14 | | notconnect | 1 | auto | auto | 10/100/1000BaseTX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gi1/0/15 | | notconnect | 1 | auto | auto | 10/100/1000BaseTX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gi1/0/16 | | notconnect | 1 | auto | auto | 10/100/1000BaseTX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gi1/0/17 | | notconnect | 1 | auto | auto | 10/100/1000BaseTX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gi1/0/18 | | notconnect | 1 | auto | auto | 10/100/1000BaseTX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gi1/0/19 | | notconnect | 1 | auto | auto | 10/100/1000BaseTX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gi1/0/20 | | notconnect | 1 | auto | auto | 10/100/1000BaseTX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gi1/0/21 | | notconnect | 1 | auto | auto | 10/100/1000BaseTX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gi1/0/22 | | notconnect | 1 | auto | auto | 10/100/1000BaseTX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gi1/0/23 | | notconnect | 1 | auto | auto | 10/100/1000BaseTX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gi1/0/24 | | notconnect | 1 | auto | auto | 10/100/1000BaseTX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Te1/0/1 | | err-disabled | 1 | full | 10G | Not Present | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Te1/0/2 | | err-disabled | 1 | full | 10G | Not Present | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Te1/0/3 | | connected | 1 | full | 10G | SFP-10GBase-SR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Te1/0/4 | | connected | 1 | full | 10G | SFP-10GBase-SR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

2. Verify the NIC port status

```
[root@RS5220 ~]# ethtool ens4f0
```

```
Settings for ens4f0:
```

```
Supported ports: [ FIBRE ]
Supported link modes:  10000baseT/Full
Supported pause frame use: Symmetric Receive-only
Supports auto-negotiation: No
Supported FEC modes: Not reported
Advertised link modes: 10000baseT/Full
Advertised pause frame use: No
Advertised auto-negotiation: No
Advertised FEC modes: Not reported
Speed: 10000Mb/s
Duplex: Full
Auto-negotiation: off
Port: Direct Attach Copper
PHYAD: 0
Transceiver: internal
Supports Wake-on: d
Wake-on: d
Current message level: 0x00000007 (7)
                drv probe link
Link detected: yes
```

```
[root@RS5220 ~]# ethtool ens4f1
```

```
Settings for ens4f1:
```

```
Supported ports: [ FIBRE ]
Supported link modes:  10000baseT/Full
Supported pause frame use: Symmetric Receive-only
Supports auto-negotiation: No
Supported FEC modes: Not reported
Advertised link modes: 10000baseT/Full
Advertised pause frame use: No
Advertised auto-negotiation: No
Advertised FEC modes: Not reported
Speed: 10000Mb/s
Duplex: Full
Auto-negotiation: off
Port: Direct Attach Copper
PHYAD: 0
Transceiver: internal
Supports Wake-on: d
Wake-on: d
Current message level: 0x00000007 (7)
                drv probe link
Link detected: yes
```

Test
Information

3. Read the module's basic information from the switch side

SFP+ Transceiver Module Serial EEPROM Contents:

Common block:

Identifier : SFP
 Connector : LC connector [0x07]
 Transceiver
 Type : SFP-10GBase-SR
 Speed : [0x00]
 Media : Multi-mode, 50u (M5), 62.5u (M6) [0x0C]
 Technology : [0x00]
 Link Length : Short Distance (S) [0x40]
 Encoding : serial encoding algorithm 10GE, 64B/66B [0x06]
 BR, Nominal : 103x100 MHz [0x67]
 Rate Identifier : [0x00]

Length(9u) :
 Length(50u) : [0x0A]
 Length(62.5u) : [0x04]
 Length(OM3) : [0x00]
 Vendor Name : FS
 Vendor OUI : Unspecified
 Vendor PN : SFP-10G-T
 Vendor rev :
 CC_BASE : 0x32

Extended ID Fields

Options :
 Class : Limiting Class [0x00]
 More Options : 10GE - TX_DISABLE, TX_FAULT and LOS [0x1A]
 BR, max : 10%
 BR, min : 88%
 Vendor SN : C S 2 2 0 4 2 7 0 5 4
 Date code : 220427
 DOM Type : [0x00]
 CC_EXT : 0xE0

Vendor Specific ID Fields:

0x00: 00 00 08 33 4B 99 70 47 A2 10 4B AA 99 7A 61 D5
 0x10: 5F AF E1 00 00 00 00 00 00 00 00 00 D9 E7 33 5D

Test
Information

Test
Information

SFP+ Transceiver Module Serial EEPROM Contents:

Common block:

Identifier : SFP
 Connector : LC connector [0x07]
 Transceiver
 Type : SFP-10GBase-SR
 Speed : [0x00]
 Media : Multi-mode, 50u (M5), 62.5u (M6) [0x0C]
 Technology : [0x00]
 Link Length : Short Distance (S) [0x40]
 Encoding : serial encoding algorithm 10GE, 64B/66B [0x06]
 BR, Nominal : 103x100 MHz [0x67]
 Rate Identifier : [0x00]

Length(9u) :
 Length(50u) : [0x0A]
 Length(62.5u) : [0x04]
 Length(OM3) : [0x00]
 Vendor Name : FS
 Vendor OUI : Unspecified
 Vendor PN : SFP-10G-T
 Vendor rev :
 CC_BASE : 0x32

Extended ID Fields

Options :
 Class : Limiting Class [0x00]
 More Options : 10GE - TX_DISABLE, TX_FAULT and LOS [0x1A]
 BR, max : 10%
 BR, min : 88%
 Vendor SN : C S 2 2 0 4 2 7 0 5 3
 Date code : 220427
 DOM Type : [0x00]
 CC_EXT : 0xDF

Vendor Specific ID Fields:

0x00: 00 00 08 92 83 0C AF 3F EE 1C FA A2 E8 BD B2 CC
 0x10: 66 98 4E 00 00 00 00 00 00 00 00 00 D0 F9 5D B7

| | |
|--|---|
| <p style="text-align: center;">Test Information</p> | <p>4. Read the module's basic information from the NIC side</p> <pre>[root@RS5220 fs]# ethtool -m ens4f0 Identifier : 0x03 (SFP) Extended identifier : 0x04 (GBIC/SFP defined by 2-wire interface ID) Connector : 0x22 (RJ45) Transceiver codes : 0x00 0x00 0x00 0x00 0x00 0x04 0x00 0x00 0x00 Transceiver type : Passive Cable Encoding : 0x06 (64B/66B) BR, Nominal : 10300MBd Rate identifier : 0x02 (8/4/2G Rx Rate_Select only) Length (SMF,km) : 0km Length (SMF) : 0m Length (50um) : 0m Length (62.5um) : 0m Length (Copper) : 100m Length (OM3) : 0m Passive Cu complnce. : 0x00 (unspecified) [SFF-8472 rev10.4 only] Vendor name : FS Vendor OUI : 00:1b:21 Vendor PN : SFP-10G-T-100 Vendor rev : A Option values : 0x00 0x3a Option : RX_LOS implemented Option : TX_FAULT implemented Option : TX_DISABLE implemented Option : RATE_SELECT implemented BR margin, max : 0% BR margin, min : 0% Vendor SN : 2407180062 Date code : 240716</pre> |
| <p>Test Conclusion</p> | <p>After completing the above test content, all the test information should be copied and pasted into a TXT document.</p> |
| <p>Remarks</p> | |