

GPON ONU

OP151s

Product specification

Version 1.0

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DIRECTORY

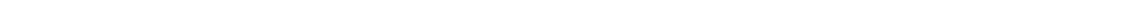
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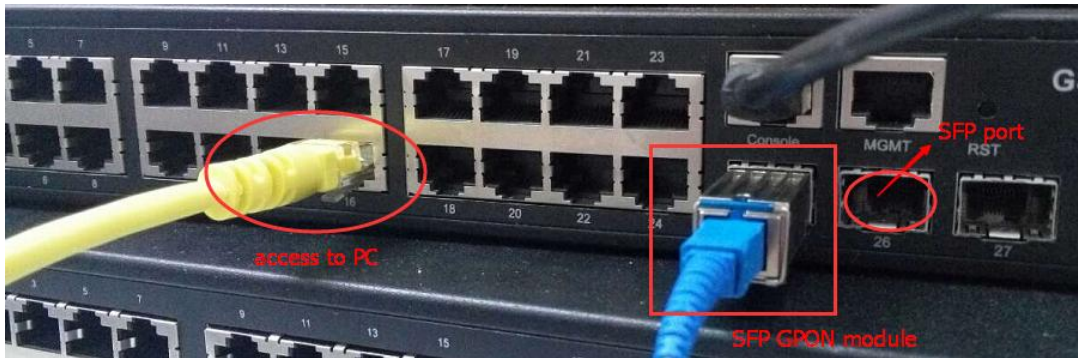
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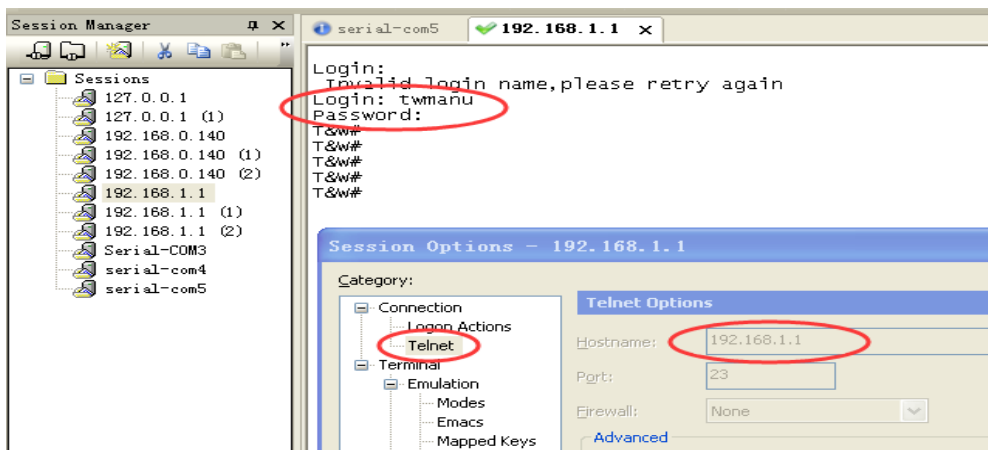
Management

Please refer to following typical networking topology.OP151s is inserted SFP port in switch, PC access to switch Ethernet port. Default management IP of OP151s is 192.168.1.1, pc network card is set static ip 192.168.1.X. User can manage op151s by CLI and Web.



- CLI

The OP151S products can be managed using a command line interface. (username:twmanu,password:twmanu)



- Web

The OP151S products can also be fully managed through the web (HTTP) interface. The web pages are very intuitive and they include a context sensitive help button for additional information. The web interface will be used for the configuration examples used in this document.(login info.username:admin,password:admin)



- OMCI

ONU Management Control Interface (OMCI) provides policy based configuration and management capabilities for GPON. OMCI management is intergrated into the OLT command set, so configuration of the ONU with OMCI is done from the OLT, not directly as with the Web UI or CLI interfaces.

Register OLT

Access on the GPON interface requires a Registration ID. This value must match the value programmed in the OLT. The system administrator should have programmed this value. Changing the value will disable communications with the network. The unit will reset once the Reg ID has been changed and the GPON link will not communicate with the OLT until the same password is entered in the OLT.

Please refer to following step to set sn. reset ONU after setting success, the new SN will take effect.

```
T&W# manufactory
manufactory# set
  sn          set ont serial number
  ctc         ctc
  voip        set voip parameters
  pon         set pon parameters
  uni         set uni parameters
  flow        set flow
  equipment   set equipment
  hardware    set hardware
manufactory# set sn
  <string> format:CCCCXXXXXXXXXX
manufactory# set sn
  <string> format:CCCCXXXXXXXXXX
manufactory# set sn zisa12345678
..set sn success!
```

Check ONU Status

- The default IP address of device is 192.168.1.1. we need configure ONT on the web (<http://192.168.1.1/login.html>). The default Username is 'admin', and password is 'admin'

The screenshot shows the GPON Web-Management interface. The browser address bar displays 192.168.1.1. The page title is "GPON Web-Management" with the Chinese characters "网络管理系统". The navigation menu includes "Status", "Setup", "Management", and a language dropdown set to "English".

The main content area is titled "GPON Connection Information" and includes a "Refresh" button. Below this are two tables:

| GPON Connection Information | |
|-----------------------------|---------|
| GPON Line Status: | O2 |
| LOID Auth Status: | INIT |
| UP FEC: | Disable |
| DOWN FEC: | Disable |
| ENCRYPT: | Disable |

| Optic Information | |
|-------------------|----------|
| Temperature: | 51.85C |
| Voltage: | 3.30V |
| Current: | 10.77mA |
| TX Power: | -1.12dBm |
| Rx Power: | -9.44dBm |

SLID Config

- User can configure SLID info in Setup page. there are two modes .

The screenshot shows the "SLID Configuration" page in the GPON Web-Management interface. The browser address bar displays 192.168.1.1. The page title is "GPON Web-Management" with the Chinese characters "网络管理系统". The navigation menu includes "Status", "Setup", "Management", and a language dropdown set to "English".

The main content area is titled "SLID Configuration" and includes a "Refresh" button. Below this is a form with the following fields:

| | | |
|------------|--------------------------------------|-----------------|
| Pon SN: | zisa12345678(ASCII) | |
| SLID: | default(ASCII) | |
| SLID: | <input type="text"/> | max 10 chars |
| SLID Mode: | ASSCI Mode | e.g: abcdefg123 |
| | <input type="button" value="Apply"/> | |

After reboot, new SLID will take effect

Firmware Upgrade

- Firstly, you need to start tftp server in your PC, for example pc's IP address is 192.168.1.15.

FW is a.upf

Login: twmanu

Password:

T&W#

T&W# system

System#

System# upgrade a 192.168.1.15 a.upf

Start to verify software image...Succeed!

Write imageSucceed!