

## Chapter 3: Port Management



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# Chapter 3 Port Management

Port management configures port mirror, port isolation, storm control and bandwidth control.

## 3.1 Basic Configuration

1. Click Config->Port Management->Basic Configuration
2. This page configures the OLT port status, priority, rate, MTU, and port description information.

| Port      | Status  | Link | Priority | Set speed | Actual speed | MTU   | Port Description (0-128 chars) |
|-----------|---------|------|----------|-----------|--------------|-------|--------------------------------|
| gpon0/2/2 | enable  | up   | 0        | full-2.5g | full-2.5G    | 16356 |                                |
| e0/0/1    | enabled | down | 0        | auto      | unknown      | 16356 |                                |
| e0/0/2    | enabled | down | 0        | auto      | unknown      | 16356 |                                |
| e0/0/3    | enabled | down | 0        | auto      | unknown      | 16356 |                                |
| e0/0/4    | enabled | down | 0        | auto      | unknown      | 16356 |                                |
| e0/1/1    | enabled | down | 0        | full-10g  | unknown      | 16356 |                                |
| e0/1/2    | enabled | down | 0        | full-10g  | unknown      | 16356 |                                |
| e0/1/3    | enabled | down | 0        | full-10g  | unknown      | 16356 |                                |
| e0/1/4    | enabled | down | 0        | full-10g  | unknown      | 16356 |                                |
| gpon0/2/1 | enabled | up   | 0        | full-2.5g | full-2.5g    | 16356 |                                |
| gpon0/2/2 | enabled | up   | 0        | full-2.5g | full-2.5g    | 16356 |                                |
| gpon0/2/3 | enabled | up   | 0        | full-2.5g | full-2.5g    | 16356 |                                |
| gpon0/2/4 | enabled | up   | 0        | full-2.5g | full-2.5g    | 16356 |                                |
| gpon0/2/5 | enabled | up   | 0        | full-2.5g | full-2.5g    | 16356 |                                |
| gpon0/2/6 | enabled | up   | 0        | full-2.5g | full-2.5g    | 16356 |                                |
| gpon0/2/7 | enabled | up   | 0        | full-2.5g | full-2.5g    | 16356 |                                |
| gpon0/2/8 | enabled | up   | 0        | full-2.5g | full-2.5g    | 16356 |                                |

Figure 3-1

## 3.2 Port Mirror

1. Click Config->Port Management->Port Mirror
2. This page configures the port mirror function.

- System Management ▾
- Port Management ▲
- Basic Configuration
- Port Mirror
- Port Isolation
- Storm Control
- Bandwidth Control
- Basic Service ▾
- Advanced Service ▾
- ONT Management ▾
- ONT Profile Management ▾

**Mirror Destination Port**

Mirror Destination Port e0/0/4 ▾

**Mirror Source Port**

| Port      | Mirrored                            | Direction |
|-----------|-------------------------------------|-----------|
| e0/0/1    | <input checked="" type="checkbox"/> | Both ▾    |
| e0/0/2    | <input checked="" type="checkbox"/> | Both ▾    |
| e0/0/3    | <input type="checkbox"/>            | Both ▾    |
| e0/0/4    | <input type="checkbox"/>            | Both ▾    |
| e0/1/1    | <input type="checkbox"/>            | Both ▾    |
| e0/1/2    | <input type="checkbox"/>            | Both ▾    |
| e0/1/3    | <input type="checkbox"/>            | Both ▾    |
| e0/1/4    | <input type="checkbox"/>            | Both ▾    |
| gpon0/2/1 | <input type="checkbox"/>            | Both ▾    |
| gpon0/2/2 | <input type="checkbox"/>            | Both ▾    |
| gpon0/2/3 | <input type="checkbox"/>            | Both ▾    |
| gpon0/2/4 | <input type="checkbox"/>            | Both ▾    |
| gpon0/2/5 | <input type="checkbox"/>            | Both ▾    |
| gpon0/2/6 | <input type="checkbox"/>            | Both ▾    |
| gpon0/2/7 | <input type="checkbox"/>            | Both ▾    |
| gpon0/2/8 | <input type="checkbox"/>            | Both ▾    |

Apply
Cancel

Figure 3-2

### 3.3 Port Isolation

1. Click Config->Port Management->Port Isolation
2. This page configures the port isolation function. The ports in the isolation group are isolated from each other and can only communicate with the uplink port, cannot communicate with other ports.

|                        |   |
|------------------------|---|
| System Management      | <b>Port Isolation</b>   |
| Port Management        | <b>Group ID</b> <b>Port List(such as e0/0/1-e0/0/2,e0/0/4,e0/1/1)</b> |
| Basic Configuration    | 1 <input type="text" value="Selector"/>                               |
| Port Mirror            | 2 <input type="text" value="Selector"/>                               |
| <b>Port Isolation</b>  | 3 <input type="text" value="Selector"/>                               |
| Storm Control          | 4 <input type="text" value="Selector"/>                               |
| Bandwidth Control      | 5 <input type="text" value="Selector"/>                               |
| Basic Service          | 6 <input type="text" value="Selector"/>                               |
| Advanced Service       | 7 <input type="text" value="Selector"/>                               |
| ONT Management         | 8 <input type="text" value="Selector"/>                               |
| ONT Profile Management |   |

Figure 3-3

### 3.4 Storm Control

1. Click Config->Port Management->Storm Control
2. This page configures the storm control function, packets exceeding the configured speed will be discarded

|                        |   |   |                              |                              |
|------------------------|---|---|------------------------------|------------------------------|
| System Management      | <b>Storm Control</b>  |   |                              |                              |
| Port Management        | <b>Port</b>   | <b>Broadcast(unit:pps)</b>                    | <b>Multicast(unit:pps)</b>   | <b>Unicast(unit:pps)</b>     |
| Basic Configuration    | e0/0/1  | <input checked="" type="checkbox"/> 50000 pps | <input type="checkbox"/> pps | <input type="checkbox"/> pps |
| Port Mirror            | e0/0/2  | <input checked="" type="checkbox"/> 50000 pps | <input type="checkbox"/> pps | <input type="checkbox"/> pps |
| Port Isolation         | e0/0/3  | <input checked="" type="checkbox"/> 50000 pps | <input type="checkbox"/> pps | <input type="checkbox"/> pps |
| <b>Storm Control</b>   | e0/0/4  | <input checked="" type="checkbox"/> 50000 pps | <input type="checkbox"/> pps | <input type="checkbox"/> pps |
| Bandwidth Control      | e0/1/1  | <input checked="" type="checkbox"/> 50000 pps | <input type="checkbox"/> pps | <input type="checkbox"/> pps |
| Basic Service          | e0/1/2  | <input checked="" type="checkbox"/> 50000 pps | <input type="checkbox"/> pps | <input type="checkbox"/> pps |
| Advanced Service       | e0/1/3  | <input checked="" type="checkbox"/> 50000 pps | <input type="checkbox"/> pps | <input type="checkbox"/> pps |
| ONT Management         | e0/1/4  | <input checked="" type="checkbox"/> 50000 pps | <input type="checkbox"/> pps | <input type="checkbox"/> pps |
| ONT Profile Management | gpon0/2/1   | <input checked="" type="checkbox"/> 50000 pps | <input type="checkbox"/> pps | <input type="checkbox"/> pps |
|                        | gpon0/2/2   | <input checked="" type="checkbox"/> 50000 pps | <input type="checkbox"/> pps | <input type="checkbox"/> pps |
|                        | gpon0/2/3   | <input checked="" type="checkbox"/> 50000 pps | <input type="checkbox"/> pps | <input type="checkbox"/> pps |
|                        | gpon0/2/4   | <input checked="" type="checkbox"/> 50000 pps | <input type="checkbox"/> pps | <input type="checkbox"/> pps |
|                        | gpon0/2/5   | <input checked="" type="checkbox"/> 50000 pps | <input type="checkbox"/> pps | <input type="checkbox"/> pps |
|                        | gpon0/2/6   | <input checked="" type="checkbox"/> 50000 pps | <input type="checkbox"/> pps | <input type="checkbox"/> pps |
|                        | gpon0/2/7   | <input checked="" type="checkbox"/> 50000 pps | <input type="checkbox"/> pps | <input type="checkbox"/> pps |
|                        | gpon0/2/8   | <input checked="" type="checkbox"/> 50000 pps | <input type="checkbox"/> pps | <input type="checkbox"/> pps |
|                        | <input type="button" value="Refresh"/> <input type="button" value="Apply"/> <input type="button" value="Cancel"/> |   |                              |                              |

Figure 3-4

## 3.5 Bandwidth Control

1. Click Config->Port Management->Bandwidth Control
2. This page configures the ingress and egress rate of the OLT port, and the bandwidth is limited to an integer multiple of 64

|                     |   |  |                           |
|---------------------|---|--|---------------------------|
| System Management   | Bandwidth Control   |  |                           |
| Port Management     | <b>Port</b>   | <b>Ingress Rate</b>                    | <b>Egress Rate</b>        |
| Basic Configuration | e0/0/1  | <input type="text" value="1024"/> kbps | <input type="text"/> kbps |
| Port Mirror         | e0/0/2  | <input type="text"/> kbps              | <input type="text"/> kbps |
| Port Isolation      | e0/0/3  | <input type="text"/> kbps              | <input type="text"/> kbps |
| Storm Control       | e0/0/4  | <input type="text"/> kbps              | <input type="text"/> kbps |
| Bandwidth Control   | e0/1/1  | <input type="text"/> kbps              | <input type="text"/> kbps |
| Basic Service       | e0/1/2  | <input type="text"/> kbps              | <input type="text"/> kbps |
| Advanced Service    | e0/1/3  | <input type="text"/> kbps              | <input type="text"/> kbps |
|                     | e0/1/4  | <input type="text"/> kbps              | <input type="text"/> kbps |
|                     | <input type="button" value="Refresh"/> <input type="button" value="Apply"/> <input type="button" value="Cancel"/> |  |                           |

Figure 3-5