



# ONT Information Management

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## Overview of Information Management

The ONT Information Management feature displays information about ONT, such as ONT description, ONT version, ONT statistics, ONT port number, and ONT MAC address table.

## Monitor ONT Information Management

Use the following commands to monitor ONT information management.

**Table 1: Commands to Monitor ONT Information Management**

| Command                                                                                                                                                                         | Purpose                                           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| <b>show ont description</b> { <i>ont_id_list</i>   <b>interface gpon</b> <i>interface_list</i> }                                                                                | Displays ONT description.                         |
| <b>show ont version interface gpon</b> { <i>interface_list</i>   <b>all</b> }                                                                                                   | Displays ONT version.                             |
| <b>show ont statistics</b> <i>ont_id</i> { <b>port</b> <i>port_id</i>   <b>gem</b> { <b>broadcast</b>   <b>multicast</b>   <b>unicast</b> <i>gem_index</i> }   <b>traffic</b> } | Displays statistical information about ONT.       |
| <b>show ont port-status</b> <i>ont_id</i> { <b>port</b> <i>port_id</i>   <b>catv-port</b> <i>catv-port-id</i>   <b>pots-port</b> <i>pots-port-number</i> }                      | Displays status information of the ONT port.      |
| <b>show ont mac-address-table</b> { <i>mac_address</i>   <i>ont_id</i>   <b>interface gpon</b> { <i>interface_num</i>   <b>all</b> } }                                          | Displays information about ONT MAC address table. |

# Configuration Example: Monitoring Information Management

The following example shows how to view ONT description:

```
Device> enable
Device# configure terminal
Device(config)# show ont description 0/1/1
ONT    SN          Description
0/1/1  GPON-20170803  test1
Total entries: 1.

Device(config)# show ont description interface gpon 0/1
ONT    SN          Description
0/1/1  GPON-20170803  test1
0/1/2  GPON-16403656  test2
0/1/3  GPON-20171122  test3
Total entries: 3.
```

The following example shows how to view ONT version:

```
Device(config)# show ont version interface gpon all
ONT    SN          Software-version      Firmware-version
0/1/1  GPON-20170803  C01R544V00B06/C01R544V00B07  S40-400
0/1/2  GPON-16403656  V1.00/V1.00          G72210001
0/1/3  GPON-20171122  C18R541V00B04/C18R541V00B01  V1.0
Total entries: 3.
```

The following example shows how to view ONT statistics.

```
Device(config)# show ont statistics 0/6/1 traffic
Discarded frames      :0
Upstream frames      :0
Upstream bytes       :4043664
Downstream frames    :0
Downstream bytes     :0
Up traffic (kbps)    :37
Down traffic (kbps)  :0
```

The following example shows how to monitor information management:

```
Device> enable
Device# configure terminal
Device(config)# show ont description 0/1/1
ONT    SN          Description
0/1/1  GPON-20170803  test1
Total entries: 1.

Device(config)# show ont description interface gpon 0/1
ONT    SN          Description
0/1/1  GPON-20170803  test1
0/1/2  GPON-16403656  test2
0/1/3  GPON-20171122  test3
Total entries: 3.
```

```
Device(config)# show ont version interface gpon all
ONT      SN                Software-version      Firmware-version
0/1/1    GPON-20170803          C01R544V00B06/C01R544V00B07  S40-400
0/1/2    GPON-16403656          V1.00/V1.00           G72210001
0/1/3    GPON-20171122          C18R541V00B04/C18R541V00B01  V1.0
Total entries: 3.
```

```
Device(config)# show ont statistics 0/6/1 traffic
Discarded frames      :0
Upstream frames      :0
Upstream bytes        :4043664
Downstream frames     :0
Downstream bytes     :0
Up traffic (kbps)    :37
Down traffic (kbps)  :0
```

```
Device(config)# show ont mac-address-table 0/1/1
MAC-Address  VID  ONT-ID  SN          ID/GEM
00:00:00:00:00:11  2    0/1/1  GPON-173a00f1  1/256
00:0a:5a:46:b3:66  2    0/1/1  GPON-173a00f1  1/256
Total entries: 2.
```

The following example shows how to view an ONT MAC address table:

```
Device(config)# show ont mac-address-table 0/1/1
MAC-Address  VID  ONT-ID  SN          ID/GEM
00:00:00:00:00:11  2    0/1/1  GPON-173a00f1  1/256
00:0a:5a:46:b3:66  2    0/1/1  GPON-173a00f1  1/256
Total entries: 2.
```

