



# ONT Device Configuration

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# alarm profile refer

To refer an alarm profile to a line profile, use the **alarm profile refer** command in line profile configuration mode.

**alarm profile refer {index\_num | name name}**

<b>Syntax Description</b>	<i>index_num</i> <i>name</i>	The alarm profile index number. The range is from 1 to 127. The alarm profile name. The unit is string. The string length is from 1 to 127.
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**Command Modes** Line profile configuration (deploy-profile-line)

**Examples** This example shows how to refer an alarm profile to a line profile

```
Device> enable
Device# configure terminal
Device(config)# deploy profile line
Device(deploy-profile-line)# aim 5
Device(deploy-profile-line-5)# alarm profile refer 1
```

# clear ont-logging buffer

To clear the ont logging buffer, use the **clear ont-logging buffer** command in global configuration mode.

**clear ont-logging buffer {ont\_id\_list | all}**

<b>Syntax Description</b>	<i>ont_id_list</i>	The list of ONT IDs.
	<b>all</b>	All ONTs.

**Command Modes** Global configuration (config)

**Examples** This example shows how to clear the ONT log buffering

```
Device> enable
Device# configure terminal
Device(config)# clear ont-logging buffer all
```

**local bandwidth egress**

# local bandwidth egress

To configure the ONT bandwidth egress, use the **local bandwidth egress port *port\_id* cir *cir* cbs *cbs* pir *pir* pbs *pbs*** command in line profile configuration mode. To disable the ONT bandwidth egress, use the **no local bandwidth egress port *port\_id*** command.

**local bandwidth egress port *port\_id* cir *cir* cbs *cbs* pir *pir* pbs *pbs***

**no local bandwidth egress port *port\_id***

<b>Syntax Description</b>		
<b><i>port_id</i></b>		The ONT Ethernet port ID. The range is from 1 to 24.
<b><i>cir cir</i></b>		The committed information rate in kbps. The value range is from
<b><i>cbs cbs</i></b>		The committed burst size in KB. The value range is from 2 to 32000.
<b><i>pir pir</i></b>		The peak information rate in kbps. The value range is from 64 to is greater than or equal to CIR.
<b><i>pbs pbs</i></b>		The peak burst size in KB. The value range is from 2 to 32000.

**Command Modes** Line profile configuration (deploy-profile-line)

## Examples

This example shows how to configure the ONT bandwidth egress.

```
Device> enable
Device# configure terminal
Device(config)# deploy profile line
Device(deploy-profile-line)# aim 5
Device(deploy-profile-line-5)# local bandwidth egress port 3 cir 200 cbs 70 pir 1024 pbs
90
```

# local loop-detect

To enable local loop-detect, use the **local loop-detect** command in line profile configuration mode. To disable local loop-detect, use the **no local loop-detect** command.

**local loop-detect**

**no local loop-detect**

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<b>Command Modes</b>	Line profile configuration (deploy-profile-line)
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<b>Examples</b>	This example shows how to enable local loop-detect
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```
Device> enable
Device# configure terminal
Device(config)# deploy profile line
Device(deploy-profile-line)# aim 5
Device(deploy-profile-line-5)# local loop-detect
```

# local mac-address-table

To configure the ONT maximum MAC count, use the **local mac-address-table** command in line profile configuration mode. To disable the ONT maximum MAC count, use the **no local mac-address-table** command.

**local mac-address-table max-mac-count *max\_mac\_count* [port *port\_id*]**

**no local mac-address-table**

<b>Syntax Description</b>	<i>max_mac_count</i>	The maximum MAC address learning count.
		The range is from 1 to 255.
	<i>port_id</i>	The ONT Ethernet port ID. The range is from 1 to 255.

<b>Command Modes</b>	Line profile configuration (deploy-profile-line)
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<b>Examples</b>	This example shows how to configure the ONT maximum MAC count.
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```
Device> enable
Device# configure terminal
Device(config)# deploy profile line
Device(deploy-profile-line)# aim 5
Device(deploy-profile-line-5)# local mac-address-table max-mac-count 12
```

# local neg-mode

To configure the local Ethernet speed and duplex, use the **local neg-mode speed *speed* duplex *duplex\_mode* port *port\_id*** command in unique profile configuration mode.

**local neg-mode speed *speed* duplex *duplex\_mode* port *port\_id***

<b>Syntax Description</b>	<p><i>speed</i></p> <p>The ONT Ethernet port rate mode. The options are</p> <ul style="list-style-type: none"> <li>• 10M</li> <li>• 100M</li> <li>• 1000M</li> <li>• Auto-negotiation</li> </ul>
	<p><i>duplex_mode</i></p> <p>The ONT Ethernet port duplex mode. The options are</p> <ul style="list-style-type: none"> <li>• Full-duplex</li> <li>• Half-duplex</li> <li>• Auto-negotiation</li> </ul>
	<p><i>port_id</i></p> <p>The ONT Ethernet port ID. The range is from 1 to 3.</p>

## Command Modes

Unique profile configuration (deploy-profile-unique)

## Examples

This example shows how to configure the local Ethernet speed and duplex

```
Device> enable
Device# configure terminal
Device(config)# deploy profile unique
Device(deploy-profile-unique)# aim 0/1/1
Device(deploy-profile-unique-0/1/1)# local neg-mode speed 10 duplex half port 3
```

# local ranging-balance

To configure ONT range compensation, use the **local ranging-balance** command in unique profile configuration mode. To disable the ONT range compensation, use the **no local ranging-balance** command.

**local ranging-balance {decrease | increase}balance\_length**

**no local ranging-balance**

<b>Syntax Description</b>	<b>decrease</b>	Decreases the range compensation.
	<b>increase</b>	Increases the range compensation.
	<i>balance_length</i>	The ONT ranging compensation value The unit is meters. The range is from 1 to 1000

**Command Modes** Unique profile configuration (deploy-profile-unique)

**Examples** This example shows how to increase ONT range compensation

```
Device> enable
Device# configure terminal
Device(config)# deploy profile unique
Device(deploy-profile-unique)# aim 0/1/1
Device(deploy-profile-unique-0/1/1)# local ranging-balance increase 2000
```

# local shutdown

To configure the ONT local shutdown, use the **local shutdown** command in unique profile configuration mode. To disable the ONT local shutdown, use the **no local shutdown** command.

**local shutdown {port *port\_id* | catv-port *catv\_port\_id*}**

**no local shutdown {port *port\_id* | catv-port *catv\_port\_id*}**

<b>Syntax Description</b>	<i>port_id</i>	The ONT Ethernet UNI. The value range is from 1 to 24.
	<i>catv_port_id</i>	The ONT RF interface ID. The value range is from 1 to 4.

**Command Modes** Unique profile configuration (deploy-profile-unique)

**Examples** This example shows how to configure the ONT local shutdown.

```
Device> enable
Device# configure terminal
Device(config)# deploy profile unique
Device(deploy-profile-unique)# aim 0/1/1
Device(deploy-profile-unique-0/1/1)# local shutdown port 2
```

# local switch

To enable the ONT local switching, use the **local switch** command in line profile configuration mode. To disable the ONT local switching, use the **no local switch** command.

**local switch**

**no local switch**

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<b>Command Modes</b>	Line profile configuration (deploy-profile-line)
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<b>Examples</b>	This example shows how to enable the ONT local switching.
-----------------	---

```
Device> enable
Device# configure terminal
Device(config)# deploy profile line
Device(deploy-profile-line)# aim 5
Device(deploy-profile-line-5)# local switch
```

# ont-logging

To enable ONT logging, use the **ont-logging** command in global configuration mode. To disable ONT logging, use the **no ont-logging** command.

**ont-logging**

**no ont-logging**

**Command Modes** Global configuration (config)

**Examples** This example shows how to enable ONT logging.

```
Device> enable
Device# configure terminal
Device(config)# ont-logging
```

# ont-logging buffer

To save the ONT log to a buffer, use the **ont-logging buffer** command in global configuration mode. To disable the ONT logging buffer, use the **no ont-logging buffer** command.

**ont-logging buffer {ont\_id\_list | all}**

**no ont-logging buffer**

<b>Syntax Description</b>	<i>ont_id_list</i>	The list of ONT IDs.
	<b>all</b>	All ONTs.

<b>Command Modes</b>	Global configuration (config)
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<b>Examples</b>	This example shows how to enable the ONT log buffering.
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```
Device> enable
Device# configure terminal
Device(config)# ont-logging buffer all
```

# ont-logging monitor

To enable monitor for ONT logs, use the **ont-logging monitor** command in global configuration mode. To disable monitor for ONT logs, use the **no ont-logging monitor** command.

**ont-logging monitor** {monitor\_number | all} {ont\_id\_list | all}

**no ont-logging monitor** {monitor\_number | all} {ont\_id\_list | all}

Syntax Description		
	<i>monitor_number</i>	The monitor number. The range is from 0 to 5, where 0 is the con-
	<i>ont_id_list</i>	The list of ONT IDs.
	<b>all</b>	All ONTs.

**Command Modes** Global configuration (config)

**Examples** This example shows how to enable the ONT log monitor

```
Device> enable
Device# configure terminal
Device(config)# ont-logging monitor all all
```

# ont-logging prefix

To configure log prefixes, use the **ont-logging prefix** command in global configuration mode. To disable log prefixing, use the **no ont-logging prefix** command.

**ont-logging prefix {ontid | sn}**

**no ont-logging prefix**

Syntax Description	ontid sn	The ONT IDs. The ONT serial number.
Command Modes	Global configuration (config)	
Examples	This example shows how to enable the ONT log prefixing	

```
Device> enable
Device# configure terminal
Device(config)# ont-logging prefix ontid
```

# ont-logging timestamps

To enable log timestamps of an ONT, use the **ont-logging timestamps** command in global configuration mode.

**ont-logging timestamps {uptime | notime | datetime}**

Syntax Description		
	<b>uptime</b>	Configures logging with uptime duration.
	<b>notime</b>	Configures logging with no time.
	<b>datetime</b>	Configures logging with date and time

**Command Modes** Global configuration (config)

**Examples** This example shows how to enable log timestamps of an ONT

```
Device> enable
Device# configure terminal
Device(config)# ont-logging timestamps datetime
```

# ont active

To activate the ONT, use the **ont active** *ont\_id\_list* command in global configuration mode.

**ont active** *ont\_id\_list*

<b>Syntax Description</b>	<i>ont_id_list</i>	The list of ONT IDs.				
<b>Command Modes</b>	Global configuration (config)					
<b>Examples</b>	This example show how to activate the ONT.					
<pre>Device&gt; enable Device# configure terminal Device(config)# ont active 0/1/1 Config success: 1, failed: 0.</pre>						
<b>Related Commands</b> <table border="1"> <thead> <tr> <th>Command</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td><b>ont deactivate</b></td> <td>Deactivates the ONT.</td> </tr> </tbody> </table>			Command	Description	<b>ont deactivate</b>	Deactivates the ONT.
Command	Description					
<b>ont deactivate</b>	Deactivates the ONT.					

# ont deactivate

To deactivate the ONT, use the **ont deactivate** *ont\_id\_list* in global configuration mode.

**ont deactivate** *ont\_id\_list*

<b>Syntax Description</b>	<i>ont_id_list</i>	The list of ONT IDs.
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<b>Command Modes</b>	Global configuration (config)
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<b>Examples</b>	This example show how to deactivate the ONT.
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```
Device> enable
Device# configure terminal
Device(config)# ont deactivate 0/1/1
Config success: 1, failed: 0.
```

Related Commands	Command	Description
	<b>ont active</b>	Activates the ONT.

**ont neg-mode**

## ont neg-mode

To configure the ONT speed and duplex, use the **ont neg-mode speed *speed* duplex *duplex\_mode* slot-num/pon-num/ont-num port *port\_id*** command in global configuration mode.

**ont neg-mode speed *speed* duplex *duplex\_mode* slot-num/pon-num/ont-num port *port\_id***

---

### Syntax Description

*speed*

The ONT Ethernet port rate mode.

The options are

- 10M
- 100M
- 1000M
- Auto-negotiation

*duplex\_mode*

The ONT Ethernet port duplex mode.

The options are

- Full-duplex
- Half-duplex
- Auto-negotiation

*slot-num/pon-num/ont-num*

The ONT ID.

- *slot-num*: The slot number. The value is 0.
- *pon-num*: The PON number. The range is from 1 to 16.
- *ont-num*: The ONT number. The range is from 1 to 4.

*port\_id*

The ONT Ethernet port ID. The range is from 1 to 4.

---

### Command Modes

Global configuration (config)

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### Examples

This example shows how to configure the ONT speed and duplex

```
Device> enable
Device# configure terminal
Device(config)# ont neg-mode speed 10 duplex half 0/1/1 port 3
```

# ont reboot

To reboot an ONT port, use the **ont reboot** command in global configuration mode.

**ont reboot** *slot-num/pon-num/ont-num*

Syntax Description	<i>slot-num/pon-num/ont-num</i>	The ONT ID. <ul style="list-style-type: none"><li>• <i>slot-num</i>: The slot number. The value is 0.</li><li>• <i>pon-num</i>: The PON number. The range is from 0 to 15.</li><li>• <i>ont-num</i>: The ONT number. The range is from 0 to 15.</li></ul>
Command Modes	Global configuration (config)	
Examples	This example shows how to reboot an ONT port.	<pre>Device&gt; enable Device# configure terminal Device(config)# ont reboot 0/1/1</pre>

**ont shutdown**

## ont shutdown

To configure the ONT shutdown, use the **ont shutdown** command in global configuration mode. To disable ONT shutdown, use the **no ont shutdown** command.

**ont shutdown** *slot-num/pon-num/ont-num port port\_id*

**no ont shutdown** *slot-num/pon-num/ont-num port port\_id*

<b>Syntax Description</b>	<i>slot-num/pon-num/ont-num</i>	The ONT ID.
		<ul style="list-style-type: none"> <li>• <i>slot-num</i>: The slot number. The value is 0.</li> <li>• <i>pon-num</i>: The PON number. The range is from 1 to 16.</li> <li>• <i>ont-num</i>: The ONT number. The range is from 1 to 4.</li> </ul>

  

<b>port_id</b>	The ONT Ethernet port ID. The range is from 1 to 24.
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<b>Command Modes</b>	Global configuration (config)
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<b>Examples</b>	This example shows how to configure the ONT shutdown.
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```
Device> enable
Device# configure terminal
Device(config)# ont shutdown 0/1/1 port 1
```

# ont upgrade

To configure an ONT for reboot, use the **ont upgrade** command in global configuration mode.

```
ont upgrade {auto-reboot|manual-reboot} {slot-num/pon-num/ont-num|{exclude | include}|{device-type device_type|software-version version}|sn|{string-hex string_serial_number|hex hex_serial_number}}
```

<b>Syntax Description</b>	<b>auto-reboot</b>	Automatically reboots the ONT.
	<b>manual-reboot</b>	Manually reboots the ONT
	<b>slot-num/pon-num/ont-num</b>	The ONT ID. <ul style="list-style-type: none"> <li>• <i>slot-num</i>: The slot number. The</li> <li>• <i>pon-num</i>: The PON number. Th</li> <li>• <i>ont-num</i>: The ONT number. Th</li> </ul>
	<b>exclude</b>	Excludes the ONT.
	<b>include</b>	Includes the ONT.
	<b>device-type device_type</b>	The device identifier.
	<b>software-version version</b>	The software identifier.
	<b>hex_serial_number</b>	The ONT serial number in Hex.
	<b>string_serial_number</b>	The ONT serial number in string.

**Command Modes** Global configuration (config)

## Examples

This example shows how to configure an ONT for auto reboot

```
Device> enable
Device# configure terminal
Device(config)# ont upgrade auto-reboot 0/1/1
```

**optical power rx threshold**

# optical power rx threshold

To configure the threshold of the receive optical power, use the **optical power rx threshold** command in alarm profile configuration mode. To delete the threshold, use the **no optical power rx threshold** command.

**optical power rx threshold {high *high\_rx\_power* | low *low\_rx\_power*}**

**no optical power rx threshold**

<b>Syntax Description</b>	<i>high_rx_power</i>	The highest threshold value. The value must be a number between -127 and 127. The unit is dBm.
	<i>low_rx_power</i>	The lowest threshold value. The value must be a number between -127 and 127. The unit is dBm.

**Command Modes** Alarm profile configuration (deploy-profile-alarm)

## Examples

This example shows how to configure the high threshold value of the receive optical power.

```
Device> enable
Device# configure terminal
Device(config)# deploy profile alarm
Device(deploy-profile-alarm)# aim 5
Device(deploy-profile-alarm-5)# optical power tx threshold high 10
```

# show ont-logging

To display the ONT logs, use the **show ont-logging** command in global configuration mode

**show ont-logging**

<b>Command Modes</b>	Global configuration (config)
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## Examples

This example shows how to view the ONT logs

```
Device> enable
Device# configure terminal
Device(config)# show ont-logging
logging state: on
logging timestamps: uptime
logging prefix: ontid:on; sn:on
logging buffer: 0/1/1-0/8/128
logging monitor:
  0: 0/1/1-0/8/128
  1: 0/1/1-0/8/128
  2: 0/1/1-0/8/128
  3: 0/1/2-0/8/128
  4: 0/1/1-0/8/128
  5: 0/1/1-0/8/128
```

**show ont-logging buffer**

# show ont-logging buffer

To display information about ONT logging buffer, use the **show ont-logging buffer** command in global configuration mode.

**show ont-logging buffer {slot-num/pon-num/ont-num | all}**

<b>Syntax Description</b>	<i>slot-num/pon-num/ont-num</i>	The ONT ID.
		<ul style="list-style-type: none"> <li>• <i>slot-num</i>: The slot number. The value is 0.</li> <li>• <i>pon-num</i>: The PON number. The range is from 1 to 16.</li> <li>• <i>ont-num</i>: The ONT number. The range is from 1 to 4.</li> </ul>

  

<b>all</b>	All ONTs
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<b>Command Modes</b>	Global configuration (config)
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## Examples

This example shows how to view the information about ONT logging buffer

```
Device> enable
Device# configure terminal
Device(config)# show ont-logging buffer 0/1/1
32 day 04:28:34 0/1/1 GPON-5a946e77: offline, reason: LOSI.
32 day 04:28:34 0/1/1 GPON-5a946e77: LOAMi on.
32 day 04:28:34 0/1/1 GPON-5a946e77: LOFi on.
32 day 04:28:34 0/1/1 GPON-5a946e77: LOSi on.
32 day 04:28:31 0/1/1 GPON-5a946e77: eth port 1 los on.
32 day 02:58:03 0/1/1 GPON-5a946e77: eth port 1 los off.
32 day 02:58:00 0/1/1 GPON-5a946e77: eth port 1 los on.
31 day 23:28:51 0/1/1 GPON-5a946e77: eth port 1 los off.
31 day 23:28:47 0/1/1 GPON-5a946e77: eth port 1 los on.
26 day 07:26:06 0/1/1 GPON-5a946e77: eth port 1 los off.
26 day 07:26:04 0/1/1 GPON-5a946e77: eth port 1 los on.
26 day 04:14:38 0/1/1 GPON-5a946e77: eth port 1 los off.
26 day 04:14:36 0/1/1 GPON-5a946e77: eth port 1 los on.
26 day 03:57:30 0/1/1 GPON-5a946e77: eth port 1 los off.
26 day 03:57:27 0/1/1 GPON-5a946e77: eth port 1 los on.
26 day 03:57:15 0/1/1 GPON-5a946e77: eth port 1 los off.
25 day 05:33:41 0/1/1 GPON-5a946e77: eth port 1 los on.
25 day 05:33:31 0/1/1 GPON-5a946e77: eth port 1 los off.
25 day 05:33:30 0/1/1 GPON-5a946e77: eth port 1 los on.
24 day 23:51:33 0/1/1 GPON-5a946e77: eth port 1 los off.
24 day 23:51:30 0/1/1 GPON-5a946e77: eth port 1 los on.
24 day 23:51:17 0/1/1 GPON-5a946e77: eth port 1 los off.
21 day 08:12:36 0/1/1 GPON-5a946e77: eth port 1 los on.
21 day 08:12:28 0/1/1 GPON-5a946e77: eth port 1 los off.

!
!
!

output truncated
```

# show ont mac-address-table

To display information about the MAC address table of an ONT, use the **show ont mac-address-table** command in global configuration mode.

**show ont mac-address-table** {*mac\_address* | *slot-num/pon-num/ont-num* | **interface gpon** {*slot-number/port-number* | **all**}}

## Syntax Description

<i>mac_address</i>	The MAC address.
<i>slot-num/pon-num/ont-num</i>	The ONT ID. <ul style="list-style-type: none"> <li>• <i>slot-num</i>: The slot number. The value is 0.</li> <li>• <i>pon-num</i>: The PON number. The range is from 1 to 8.</li> <li>• <i>ont-num</i>: The ONT number. The range is from 1 to 256.</li> </ul>
<i>slot-number/port-number</i>	The port ID. <ul style="list-style-type: none"> <li>• <i>slot-number</i>:               <ul style="list-style-type: none"> <li>• GPON: The value is 0.</li> <li>• GE Ethernet: The value is 1.</li> <li>• 10GE Ethernet: The value is 2.</li> </ul> </li> <li>• <i>port-number</i>:               <ul style="list-style-type: none"> <li>• GPON: The range is from 1 to 8.</li> <li>• GE Ethernet: The range is from 1 to 4.</li> <li>• 10GE Ethernet: The range is from 1 to 2.</li> </ul> </li> </ul>
<b>all</b>	All ports.

## Command Modes

Global configuration (config)

## Examples

This example shows how to view information about the MAC address table of an ONT

```
Device> enable
Device# configure terminal
Device(config)# show ont mac-address-table interface gpon 0/1
MAC-Address      VID  ONT-ID  SN           ID/GEM
00:0a:5a:a7:01:34  100  0/1/5  GPON-5aa7012a  4/355
Total entries: 1.
```

**show ont port-status**

## show ont port-status

To display status information of an ONT port, use the **show ont port-status** command in global configuration mode.

```
show ont port-status slot-num/pon-num/ont-num { port port_id | catv-port catv_port_id | pots-port pots-number }
```

### Syntax Description

<i>slot-num/pon-num/ont-num</i>	The ONT ID. <ul style="list-style-type: none"> <li>• <i>slot-num</i>: The slot number. The value is 0.</li> <li>• <i>pon-num</i>: The PON number. The range is from 1 to 24.</li> <li>• <i>ont-num</i>: The ONT number. The range is from 1 to 4.</li> </ul>
<i>port_id</i>	The ONT Ethernet UNI. The value range is from 1 to 24.
<i>catv_port_id</i>	The ONT RF interface ID. The value range is from 1 to 4.
<i>pots-number</i>	Specifies the POTS port. The value can be 1 or 2.

### Command Modes

Global configuration (config)

### Examples

This example shows how to view the status information of an ONT port.

```
Device> enable
Device# configure terminal
Device(config)# show ont port-status 0/1/5 port 2
Port status is Enable, Linkdown
```

# show ont statistics

To display statistical information about an ONT, use the **show ont statistics** command in global configuration mode.

**show ont statistics** *slot-num/pon-num/ont-num* {**gem** {**broadcast** | **multicast** | **unicast** *gem\_index*} | {**port** *port-id*} | **traffic**}

## Syntax Description

<i>slot-num/pon-num/ont-num</i>	The ONT ID. <ul style="list-style-type: none"> <li>• <i>slot-num</i>: The slot number. The value is 0.</li> <li>• <i>pon-num</i>: The PON number. The range is from 1 to 24.</li> <li>• <i>ont-num</i>: The ONT number. The range is from 1 to 24.</li> </ul>
<b>gem</b>	Displays statistical information about GEM port
<b>broadcast</b>	Displays statistical information about broadcast traffic
<b>multicast</b>	Displays statistical information about multicast traffic
<b>unicast</b> <i>gem_index</i>	Displays statistical information about unicast packet traffic <i>gem_index</i> : The GEM port index number. The range is from 1 to 24.
<i>port-id</i>	The ONT Ethernet port ID. The range is from 1 to 24.
<b>traffic</b>	Displays statistical information about ONT uplink traffic

## Command Modes

Global configuration (config)

## Examples

This example shows how to view the statistical information about an ONT.

```
Device> enable
Device# configure terminal
Device(config)# show ont statistics 0/1/1 port 1
Upstream frames : 0
Upstream bytes : 0
Downstream frames : 0
Downstream bytes : 0
Up traffic (kbps) : 0
Down traffic (kbps) : 0
```

**show ont upgrade-status**

## show ont upgrade-status

To display the ONT upgrade status, use the **show ont upgrade-status** command in global configuration mode.

**show ont upgrade-status {image | xml} {slot-num/pon-num/ont-num | all}**

### Syntax Description

*slot-num/pon-num/ont-num*

The ONT ID.

- *slot-num*: The slot number. The value is 0.
- *pon-num*: The PON number. The range is from 1 to 16.
- *ont-num*: The ONT number. The range is from 1 to 8.

**all**

All ports.

### Command Modes

Global configuration (config)

### Examples

This example shows how to view the ONT upgrade status

```
Device> enable
Device# configure terminal
Device(config)# show ont upgrade-status image 0/1/1
ONT    Active-version Inactive-version Status
0/1/1 C01R544V00B09  C01R544V00B07      success
Total entries: 1.
```

# show ont version

To display an ONT version, use the **show ont version** command in global configuration mode.

**show ont version interface gpon {port\_list | all}**

<b>Syntax Description</b>	<i>port_list</i>	The GPON port.
	<b>all</b>	All ports.

**Command Modes** Global configuration (config)

## Examples

This example shows how to view an ONT version

```
Device> enable
Device# configure terminal
Device(config)# show ont version interface gpon 0/1
ONT      SN           Software-version      Firmware-version
0/1/1    GPON-5a946e77  B01D001P010/B01D001P008  N40-428-1
0/1/2    GPON-5a95efca C01R539V00B19/-          S40-401
0/1/3    GPON-5aa0e950  B01D001P010/B01D001P007  N40-428-1
0/1/4    GPON-5aa0e9e0  B01D001P007/B01D001P006  N40-428-1
0/1/5    GPON-5aa7012a  1.1.2.5/1.1.2.6        N40-428-1
Total entries: 5.
```

show ont version