

Chapter 7: ONT Profile Management



Table of Contents

Chapter 7 ONT Profile Management	2
7.1 DBA Profile	2
7.2 Upstream Profile	2
7.3 Downstream Profile	2
7.4 VLAN Profile	3
7.4.1 VLAN Profile Configuration	3
7.5 Line Profile	4
7.5.1 T-CONT	4
7.5.2 GEM Port Configuration	5
7.5.3 Mapping Configuration	5
7.5.4 Flow Configuration	6
7.6 Rule Profile	6
7.7 Specific Profile	7
7.7.1 T-CONT	7
7.7.2 GEM Port	8
7.7.3 SIP	9
7.7.3.1 SIP User Address	9
7.7.3.2 SIP User Information	10
7.7.3.3 SIP Digit Map	10
7.7.4 WAN	11
7.7.5 WLAN	11
7.7 Alarm Profile	12
7.8 Multicast Profile	12
7.8.1 Multicast Profile Configuration	13

Chapter 7 ONT Profile Management

7.1 DBA Profile

1. Click Config->ONT Profile Management->DBA Profile
2. This page configures the DBA profile.

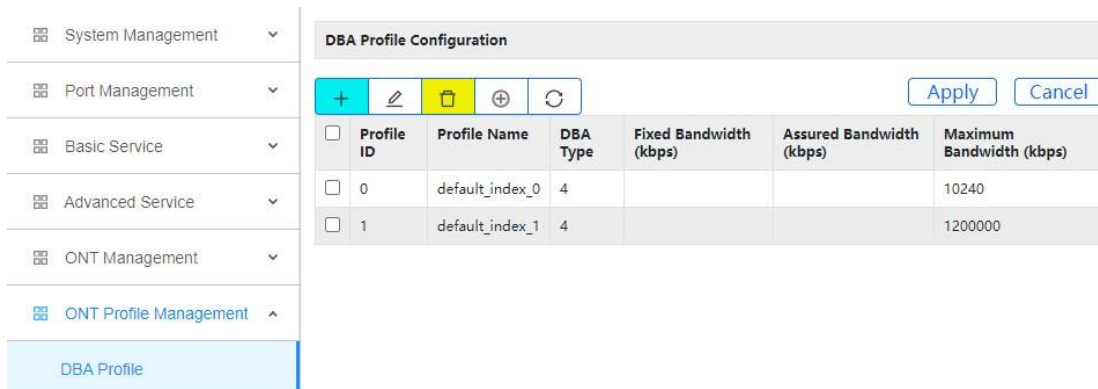


Figure 7-1

7.2 Upstream Profile

1. Click Config->ONT Profile Management->Upstream Profile
2. This page configures the upstream profile.

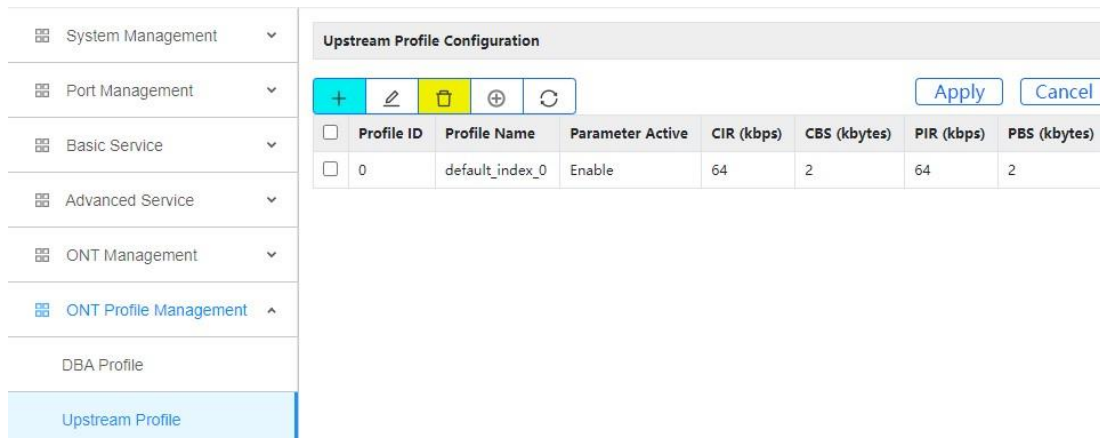


Figure 7-2

7.3 Downstream Profile

1. Click Config->ONT Profile Management->Downstream Profile
2. This page configures the downstream profile.

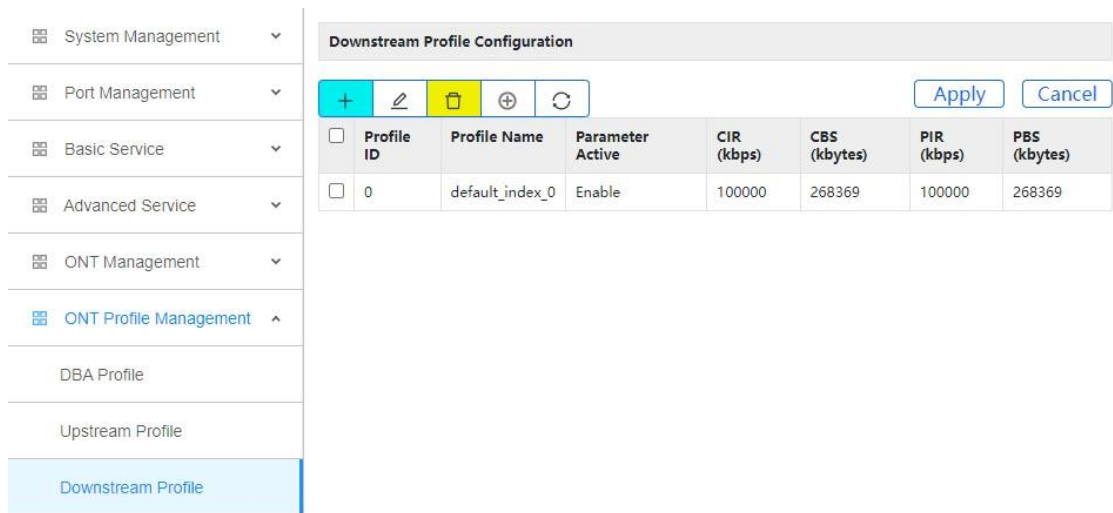


Figure 7-3

7.4 VLAN Profile

1. Click Config->ONT Profile Management->VLAN Profile.
2. This page configures add, modify and delete VLAN profile.

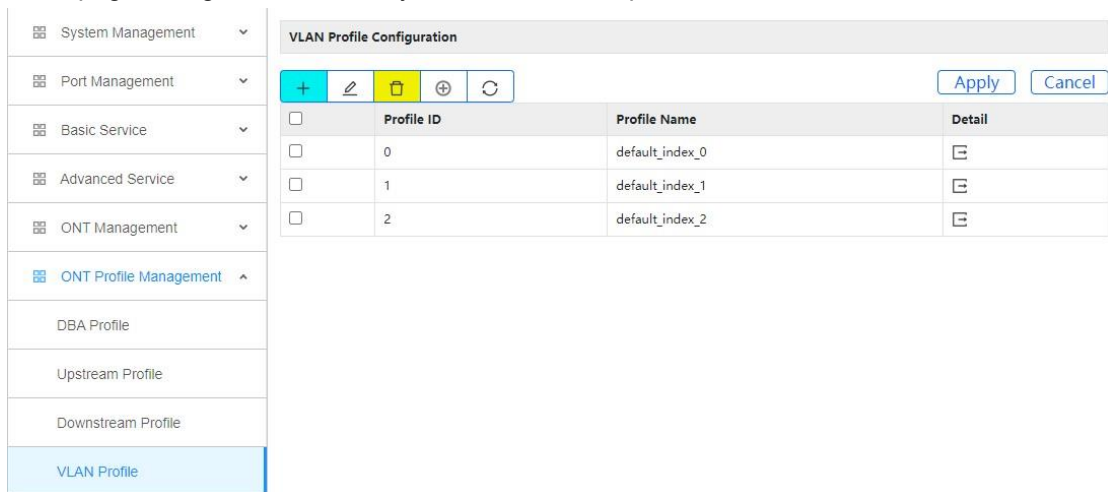


Figure 7-4.

7.4.1 VLAN Profile Configuration

1. Click Config->ONT Profile Management->VLAN Profile->Detail
2. This page configures the VLAN profile.

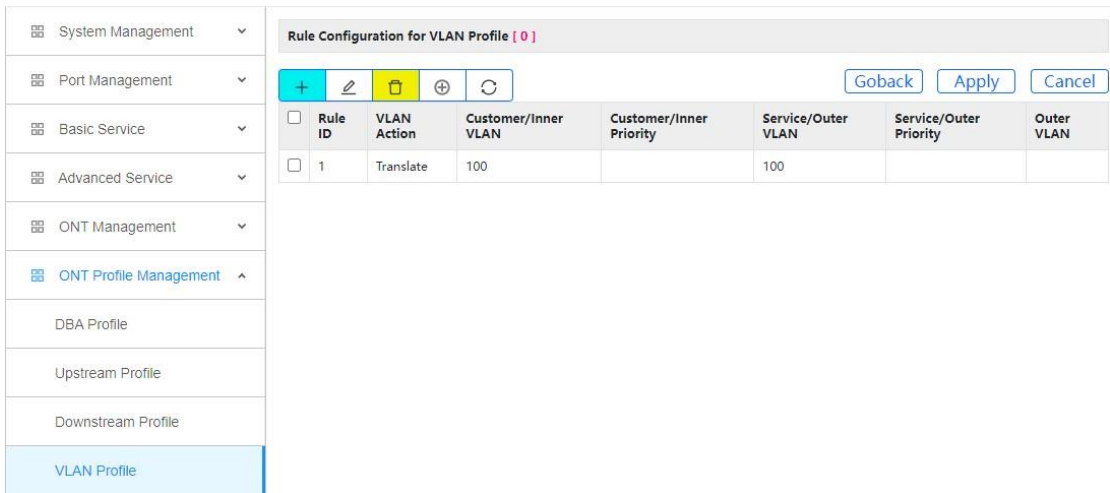


Figure 7-5

7.5 Line Profile

1. Click Config->ONT Profile Management->Line Profile.
2. This page configures add, modify and delete line profile.

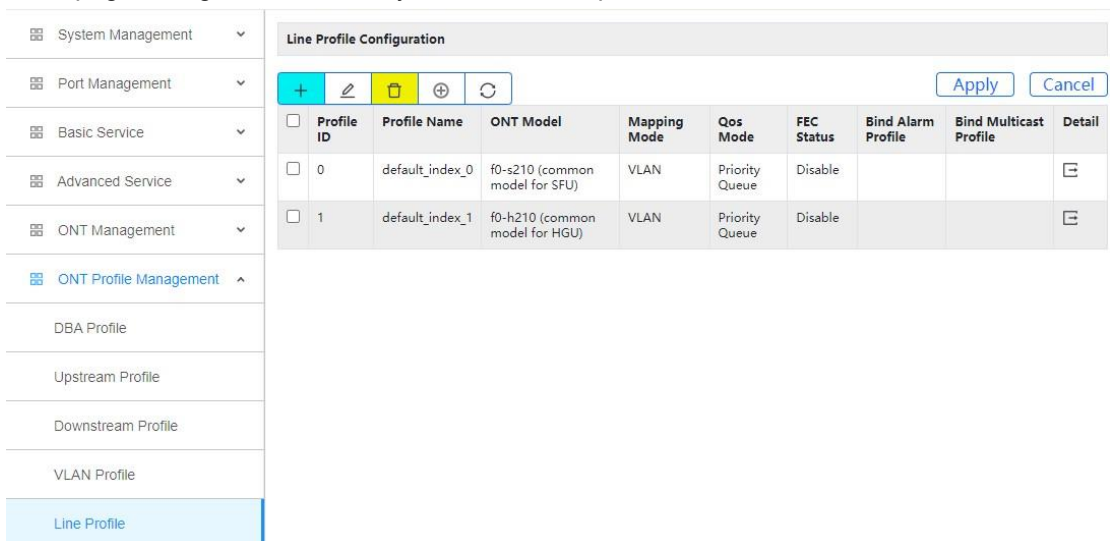


Figure 7-6

7.5.1 T-CONT

1. Click Config->ONT Profile Management->Line Profile->Detail->T-CONT Configuration
2. This page configures the T-CONT and bind DBA profile.

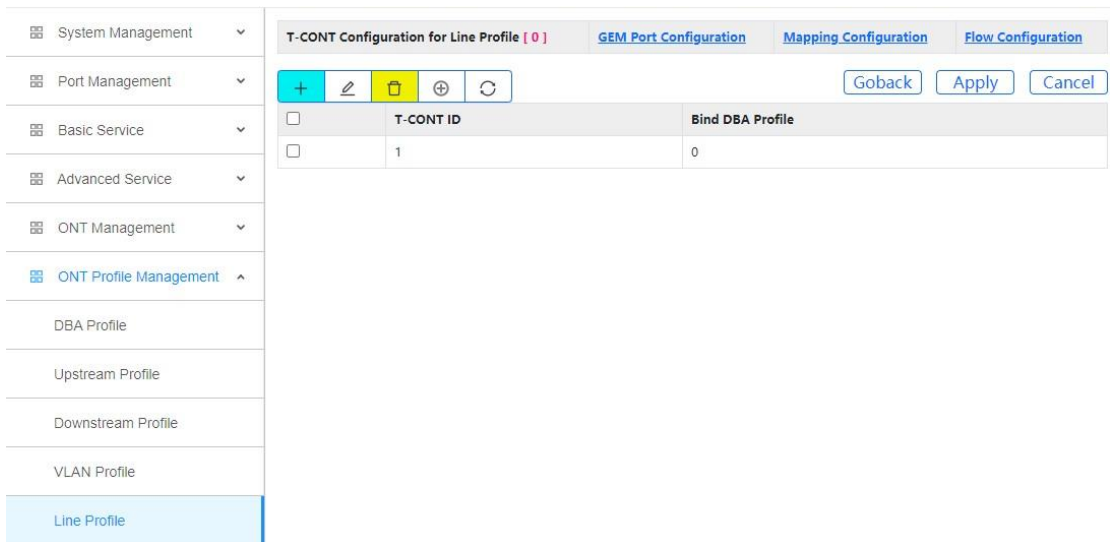


Figure 7-7

7.5.2 GEM Port Configuration

1. Click Config->ONT Profile Management->Line Profile->Detail->GEM Port Configuration
2. This page configures the GEM port and bind T-CONT.

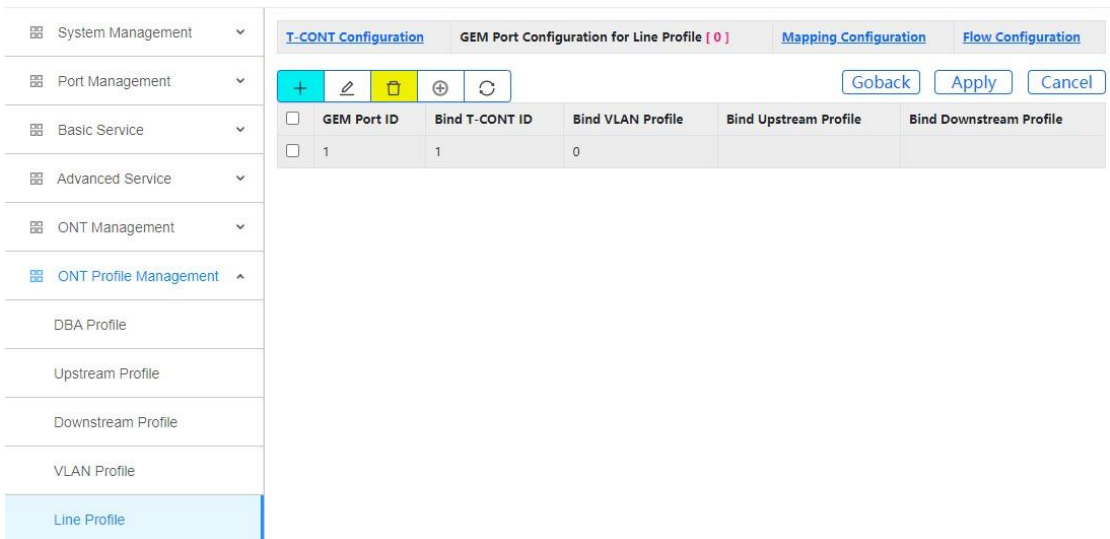


Figure 7-8

7.5.3 Mapping Configuration

1. Click Config->ONT Profile Management->Line Profile->Detail->Mapping Configuration
2. This page configures the GEM port mapping.

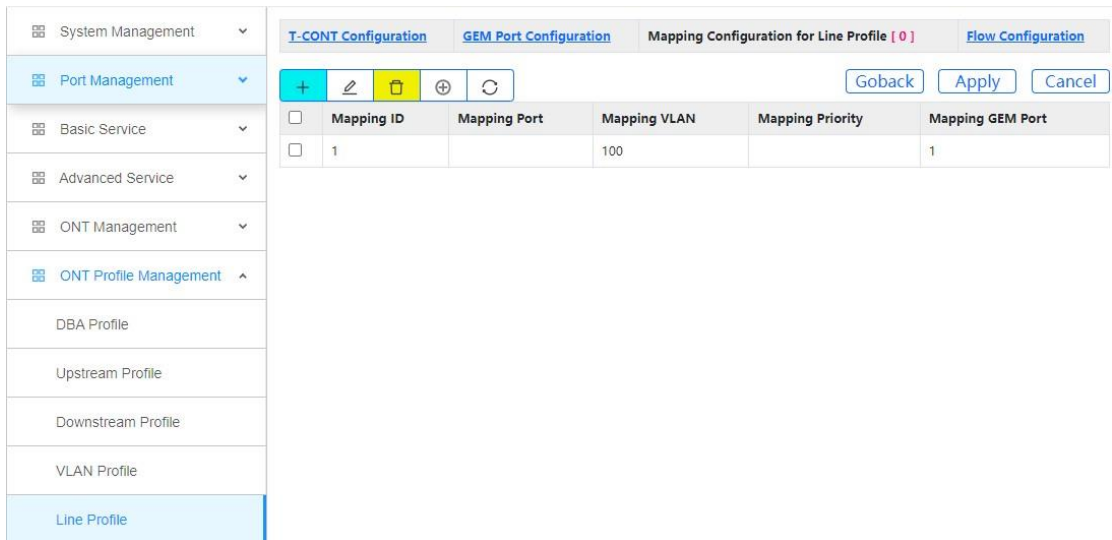


Figure 7-9

7.5.4 Flow Configuration

1. Click Config->ONT Profile Management->Line Profile->Detail->Flow Configuration
2. This page configures the ONT ethernet flow.

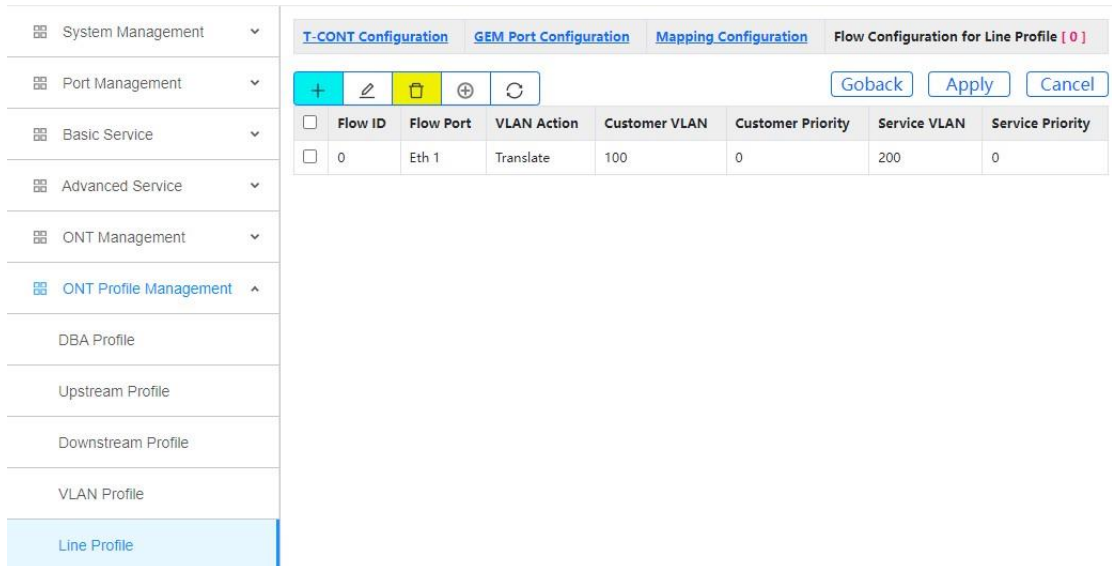


Figure 7-10

7.6 Rule Profile

1. Click Config->ONT Profile Management->Rule Profile
2. This page configures add, modify, and delete rule profile.

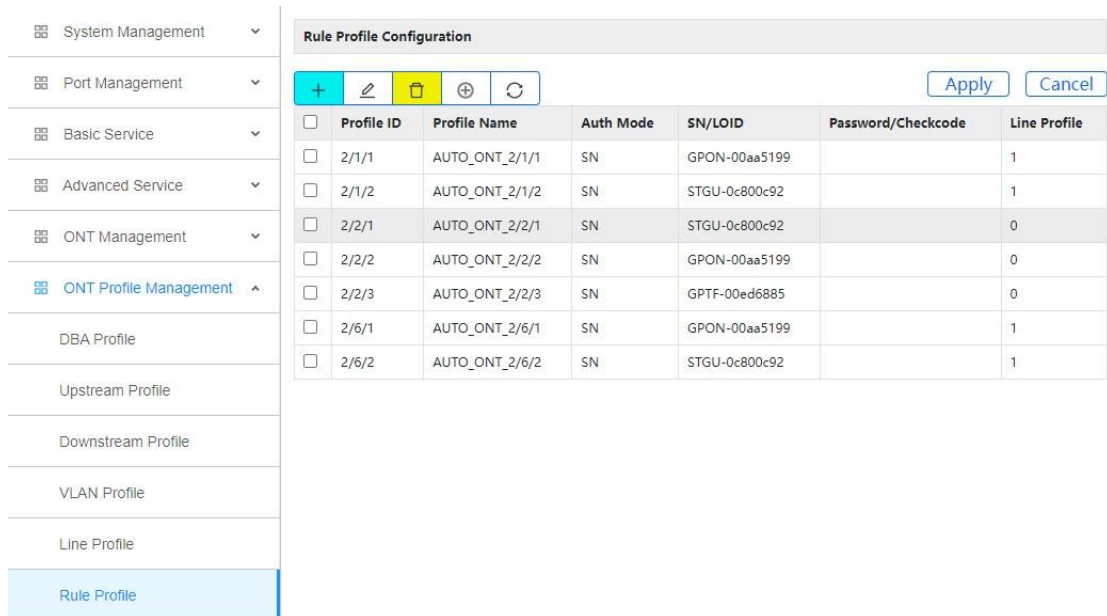


Figure 7-11

7.7 Specific Profile

1. Click Config->ONT Profile Management->Specific Profile
2. This page is used to create a specific profile, which can be directly bound to an alarm profile and a multicast profile (when a specific profile conflicts with the configuration in the service profile, the specific profile takes precedence).

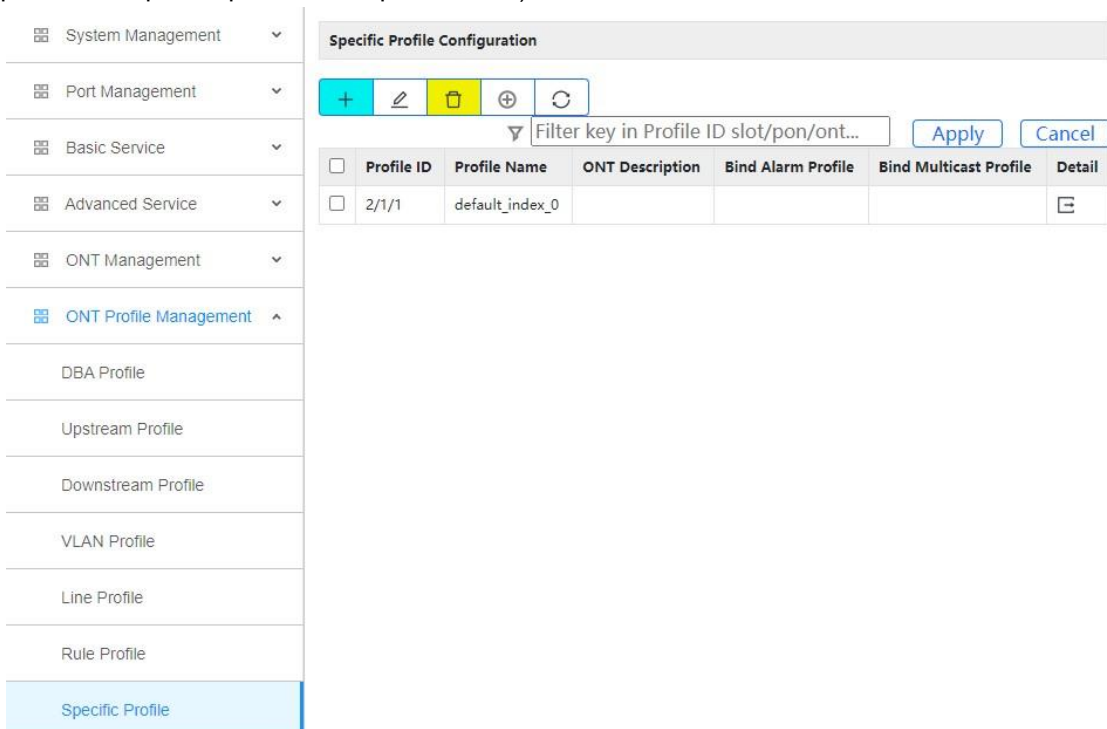


Figure 7-12

7.7.1 T-CONT

1. Click Config->ONT Profile Management->Specific Profile->Detail->T-CONT
2. This page is used to configure t-cont binding DBA profile.

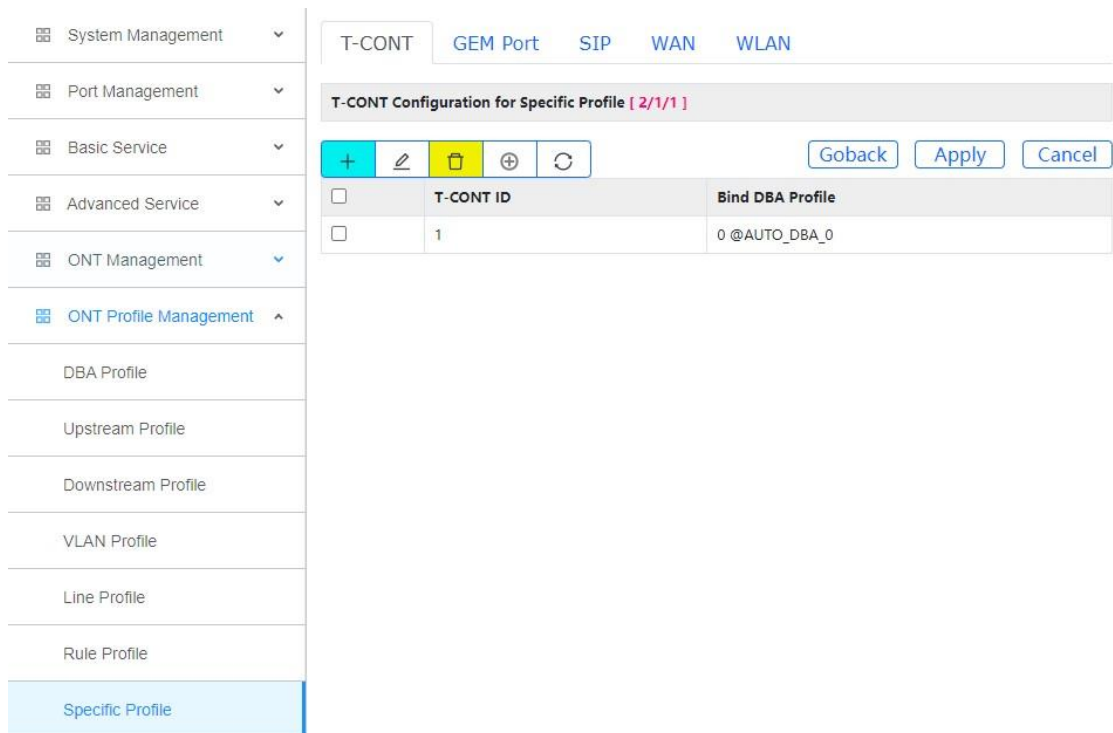


Figure 7-13

7.7.2 GEM Port

1. Click Config->ONT Profile Management->Specific Profile->Detail->GEM Port
2. This page is used to configure gem port binding VLAN profiles and upstream and downstream profiles.

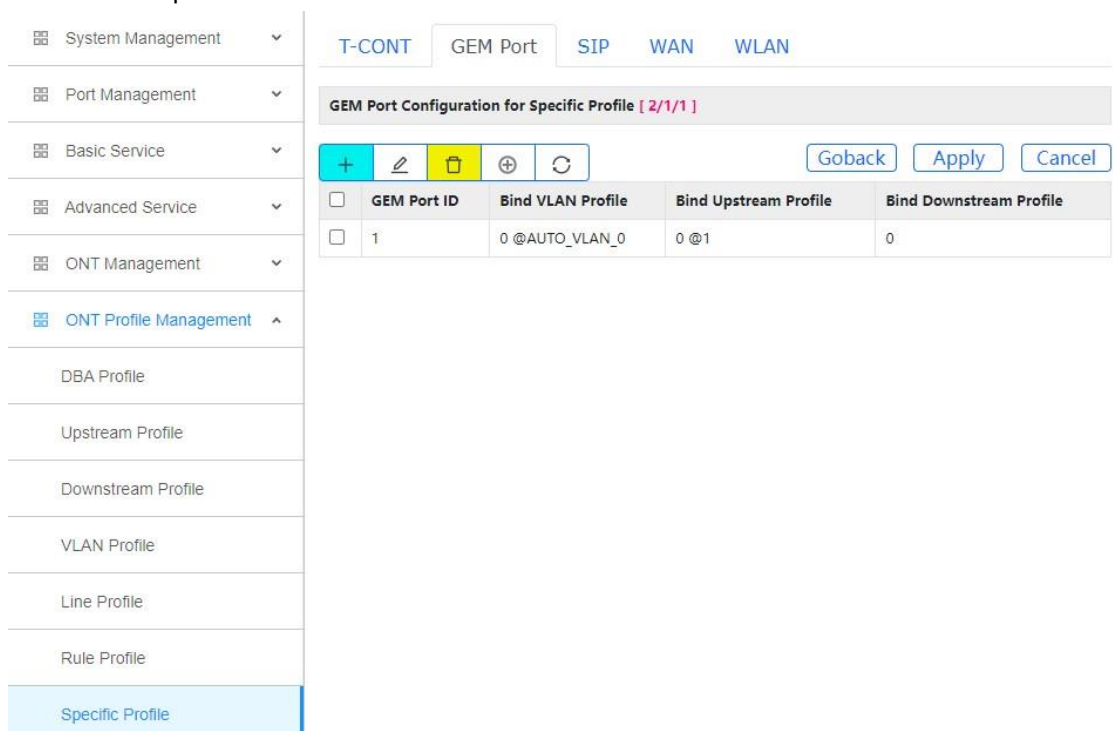


Figure 7-14

7.7.3 SIP

1. Click Config->ONT Profile Management->Specific Profile->Detail->SIP->SIP Agent
2. This page is used to configure the address of the SIP proxy server, the default port number is 5060.

The screenshot shows the 'SIP Agent Configuration for Specific Profile [2/1/1]' page. The left sidebar contains a navigation menu with 'Specific Profile' selected. The main content area has tabs for 'T-CONT', 'GEM Port', 'SIP', 'WAN', and 'WLAN'. Under the 'SIP' tab, there are sub-tabs for 'SIP Agent', 'SIP User Address', 'SIP User Information', and 'SIP Digit Map'. The 'SIP Agent' sub-tab is active, showing a table with columns: Proxy Server, Outbound Proxy, Registrar Server, and Signal Port. The table contains one row with values: 10.1.1.1, 10.1.1.1, 10.1.1.1, and an empty cell. Above the table are buttons for '+', edit, delete, and refresh, along with 'Goback', 'Apply', and 'Cancel' buttons.

	Proxy Server	Outbound Proxy	Registrar Server	Signal Port
<input type="checkbox"/>	10.1.1.1	10.1.1.1	10.1.1.1	

Figure 7-15

7.7.3.1 SIP User Address

1. Click Config->ONT Profile Management->Specific Profile->Detail->SIP->SIP User Address.
2. This page is used to configure SIP user address, optional DHCP or static address.

The screenshot shows the 'SIP User Address Configuration for Specific Profile [2/1/1]' page. The left sidebar is the same as in Figure 7-15, with 'Specific Profile' selected. The main content area has tabs for 'T-CONT', 'GEM Port', 'SIP', 'WAN', and 'WLAN'. Under the 'SIP' tab, there are sub-tabs for 'SIP Agent', 'SIP User Address', 'SIP User Information', and 'SIP Digit Map'. The 'SIP User Address' sub-tab is active, showing a table with columns: IP Mode, VLAN, Priority, IP Address, Mask, Gateway, Primary DNS, and Secondary DNS. The table contains one row with values: DHCP, 100, and empty cells for the remaining columns. Above the table are buttons for '+', edit, delete, and refresh, along with 'Goback', 'Apply', and 'Cancel' buttons.

	IP Mode	VLAN	Priority	IP Address	Mask	Gateway	Primary DNS	Secondary DNS
<input type="checkbox"/>	DHCP	100						

Figure 7-16

7.7.3.2 SIP User Information

1. Click Config->ONT Profile Management->Specific Profile->Detail->SIP->SIP User Information
2. This page is used to configure SIP user account and password.

Figure 7-17

7.7.3.3 SIP Digit Map

1. Click Config->ONT Profile Management->Specific Profile->Detail->SIP->SIP Digit Map
2. This page is used to configure SIP digit map.

Figure 7-18

7.7.4 WAN

1. Click Config->ONT Profile Management->Specific Profile->Detail->WAN
2. This page is used to configure the WAN of the ONU, up to four.

<input type="checkbox"/>	WAN Index	IP Mode	User Name	Password	Service Name	NAT Status	Service Type	Bind LANs	Connect Type	VLAN	Priority
<input type="checkbox"/>	1	DHCP				Disable	tr069		route	100	
<input type="checkbox"/>	2	PPPoE	pppoe	pppoe		Disable	internet	1	route	101	
<input type="checkbox"/>	3	DHCP				Disable	voip		route	102	
<input type="checkbox"/>	4	DHCP				Disable	other	2	bridge	103	

Figure 7-19

7.7.5 WLAN

1. Click Config->ONT Profile Management->Specific Profile->Detail->WLAN.
2. This page is used to configure WIFI password and bind WIFI profile.

<input type="checkbox"/>	WLAN ID	SSID	Key	Bind WiFi Profile
<input type="checkbox"/>	0	1	12345678	0
<input type="checkbox"/>	1	2	12345678	1

Figure 7-20

7.7 Alarm Profile

1. Click Config->ONT Profile Management->Alarm Profile
2. This page is used to configure the optical power alarm profile. The alarm profile needs to be bound and used in the line profile.

The screenshot shows the 'Alarm Profile Configuration' interface. On the left, a navigation menu lists various profile types, with 'Alarm Profile' highlighted. The main panel displays a table of configured alarm profiles. The table has the following structure:

<input type="checkbox"/>	Profile ID	Profile Name	Parameter Active	RX Low (dBm)	RX High (dBm)	TX Low (dBm)	TX High (dBm)
<input type="checkbox"/>	0	default_index_0	Enable	-10	-5	3	10

Figure 7-21

7.8 Multicast Profile

1. Click Config->ONT Profile Management->Multicast Profile
2. This page is used to create a multicast profile. Multicast profile needs to be bound and used in the line profile.

The screenshot shows the 'Multicast Profile Configuration' interface. On the left, a navigation menu lists various profile types, with 'Multicast Profile' highlighted. The main panel displays a table of configured multicast profiles. The table has the following structure:

<input type="checkbox"/>	Profile ID	Profile Name	Detail
<input type="checkbox"/>	0	default_index_0	

Figure 7-22

7.8.1 Multicast Profile Configuration

1. Click Config->ONT Profile Management->Multicast Profile->Detail
2. This page is used to configure the multicast profile.

Upstream Profile

Downstream Profile

VLAN Profile

Line Profile

Rule Profile

Specific Profile

Alarm Profile

Multicast Profile

WiFi Profile

ONT Profile Relation

Entry Configuration for Multicast Profile 0

[+](#) [✎](#) [🗑](#) [⊕](#) [↺](#) [Goback](#) [Apply](#) [Cancel](#)

<input type="checkbox"/>	Entry ID	Access Type	Multicast Group IP	Source IP	VLAN	Bandwidth	Time Duration (sec)	Time Interval (sec)	Reset At (hour)	Preview Max Num	ONT Port
<input type="checkbox"/>	0	Preview	224.1.1.1	1.1.1.1	1		10	30	1:00	3	1
<input type="checkbox"/>	1	Permit	225.1.1.1	2.1.1.1	1						1

Figure 7-23