

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.

The screenshot shows the 'DBA Profile Configuration' interface. On the left is a navigation tree with 'DBA Profile' selected. The main area has a table with columns: Profile ID, Profile Name, DBA Type, Fixed Bandwidth (kbps), Assured Bandwidth (kbps), and Maximum Bandwidth (kbps). Two rows are present:

Profile ID	Profile Name	DBA Type	Fixed Bandwidth (kbps)	Assured Bandwidth (kbps)	Maximum Bandwidth (kbps)
0	default_index_0	4			10240
1	default_index_1	4			1200000

Buttons for Add (+), Edit (pencil), Delete (trash), and Refresh (refresh) are at the top, along with 'Apply' and 'Cancel' buttons.

Figure 7-1

7.2 Upstream Profile

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

The screenshot shows the 'Upstream Profile Configuration' interface. On the left is a navigation tree with 'Upstream Profile' selected. The main area has a table with columns: Profile ID, Profile Name, Parameter Active, CIR (kbps), CBS (kbytes), PIR (kbps), and PBS (kbytes). One row is present:

Profile ID	Profile Name	Parameter Active	CIR (kbps)	CBS (kbytes)	PIR (kbps)	PBS (kbytes)
0	default_index_0	Enable	64	2	64	2

Buttons for Add (+), Edit (pencil), Delete (trash), and Refresh (refresh) are at the top, along with 'Apply' and 'Cancel' buttons.

Figure 7-2

7.3 Downstream Profile

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

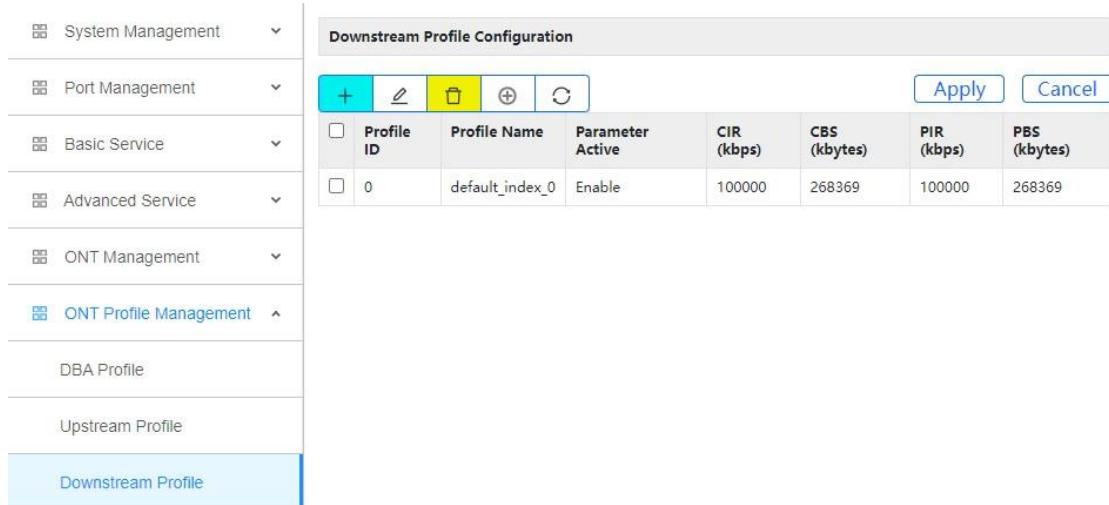


Figure 7-3

7.4 VLAN Profile

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

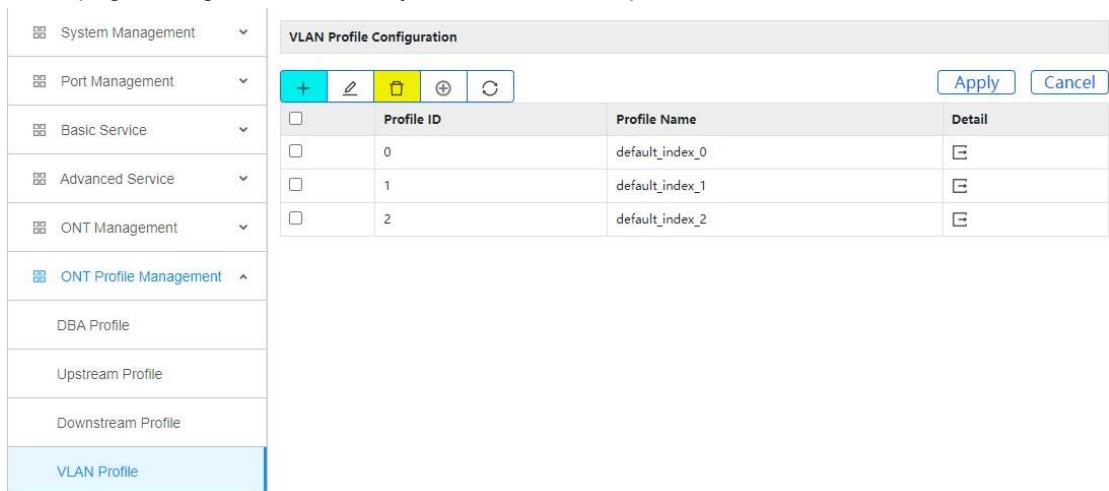


Figure 7-4.

7.4.1 VLAN Profile Configuration

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

Rule Configuration for VLAN Profile [0]							
<input type="checkbox"/>	Rule ID	VLAN Action	Customer/Inner VLAN	Customer/Inner Priority	Service/Outer VLAN	Service/Outer Priority	Outer VLAN
<input type="checkbox"/>	1	Translate	100		100		

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.

Line Profile Configuration									
<input type="checkbox"/>	Profile ID	Profile Name	ONT Model	Mapping Mode	Qos Mode	FEC Status	Bind Alarm Profile	Bind Multicast Profile	Detail
<input type="checkbox"/>	0	default_index_0	f0-s210 (common model for SFU)	VLAN	Priority Queue	Disable			<input type="button" value="Edit"/>
<input type="checkbox"/>	1	default_index_1	f0-h210 (common model for HGU)	VLAN	Priority Queue	Disable			<input type="button" value="Edit"/>

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.

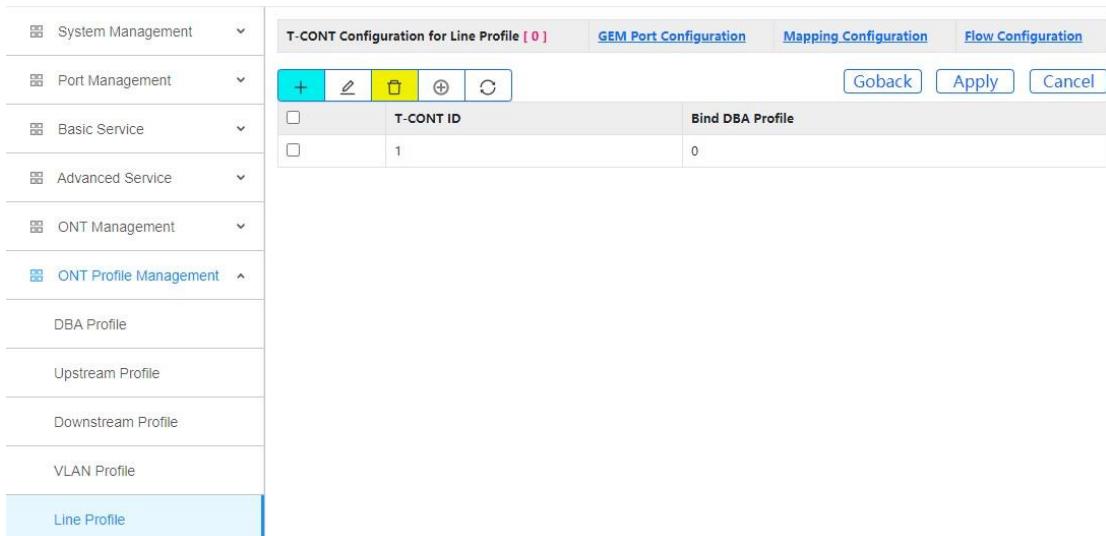


Figure 7-7

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.

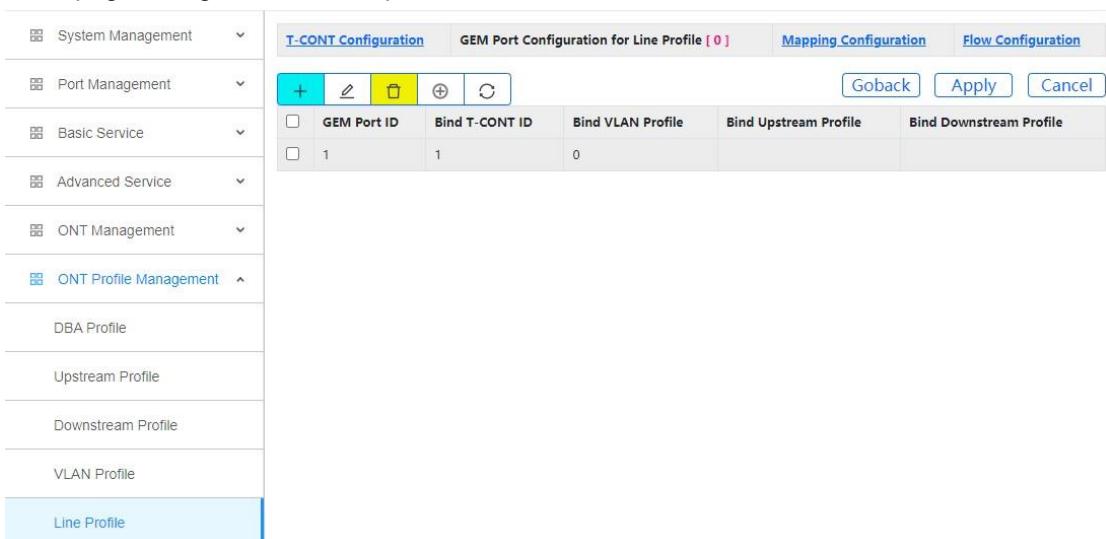


Figure 7-8

7.5.3 Mapping Configuration

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

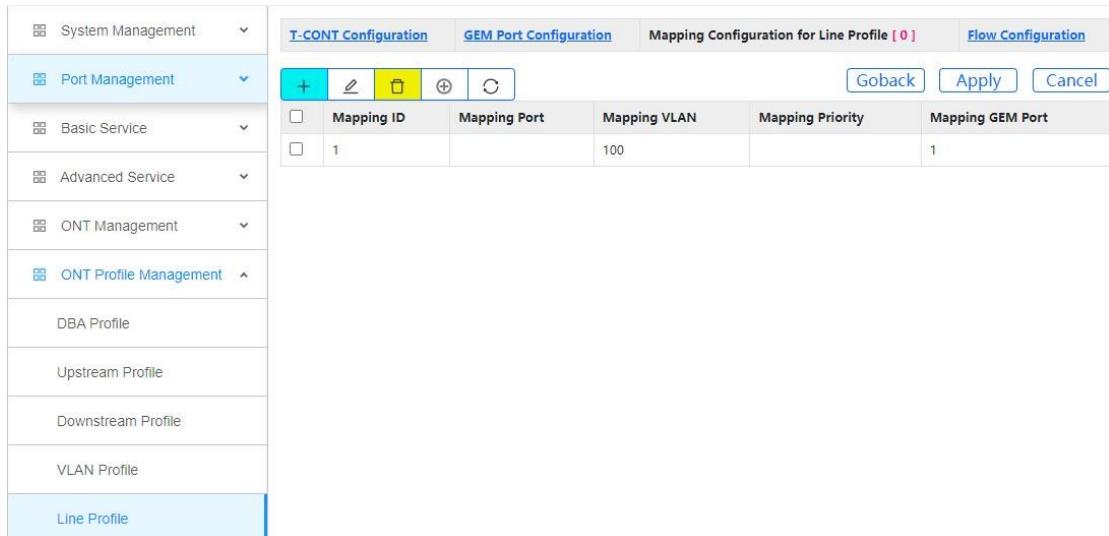


Figure 7-9

7.5.4 Flow Configuration

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

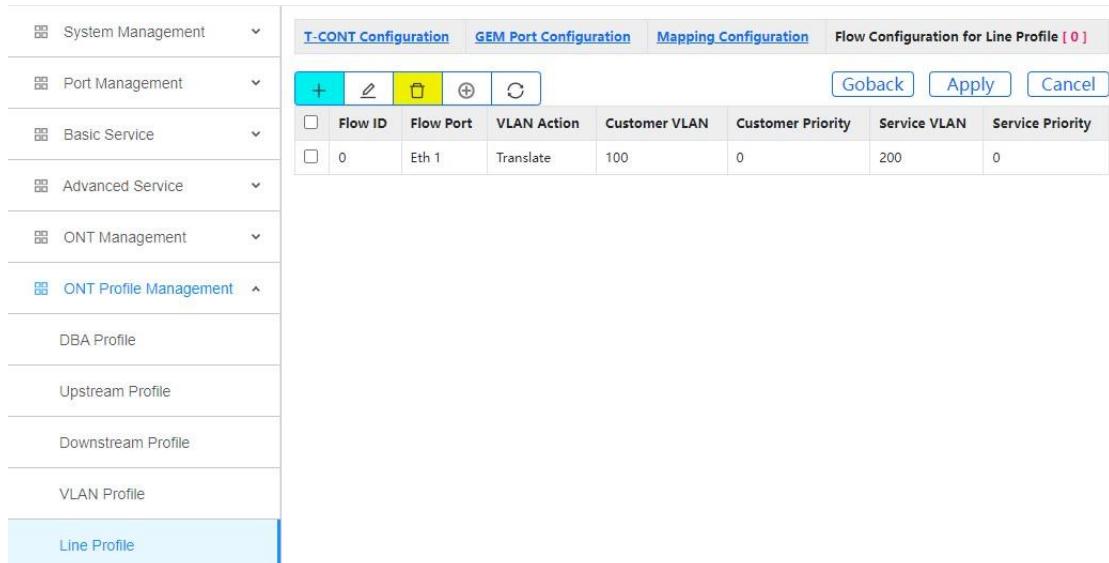


Figure 7-10

7.6 Rule Profile

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

Profile ID	Profile Name	Auth Mode	SN/LOID	Password/Checkcode	Line Profile
2/1/1	AUTO_ONT_2/1/1	SN	GPON-00aa5199		1
2/1/2	AUTO_ONT_2/1/2	SN	STGU-0c800c92		1
2/2/1	AUTO_ONT_2/2/1	SN	STGU-0c800c92		0
2/2/2	AUTO_ONT_2/2/2	SN	GPON-00aa5199		0
2/2/3	AUTO_ONT_2/2/3	SN	GPTF-00ed6885		0
2/6/1	AUTO_ONT_2/6/1	SN	GPON-00aa5199		1
2/6/2	AUTO_ONT_2/6/2	SN	STGU-0c800c92		1

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).

Profile ID	Profile Name	ONT Description	Bind Alarm Profile	Bind Multicast Profile	Detail
2/1/1	default_index_0				

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.

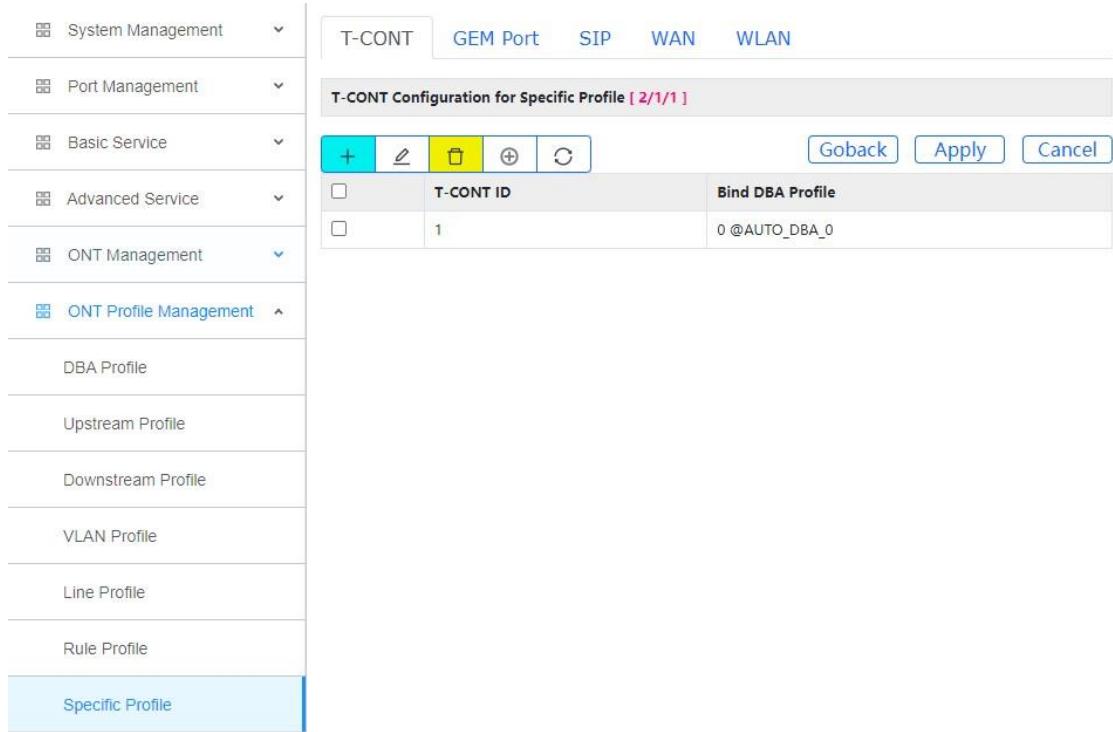


Figure 7-13

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.

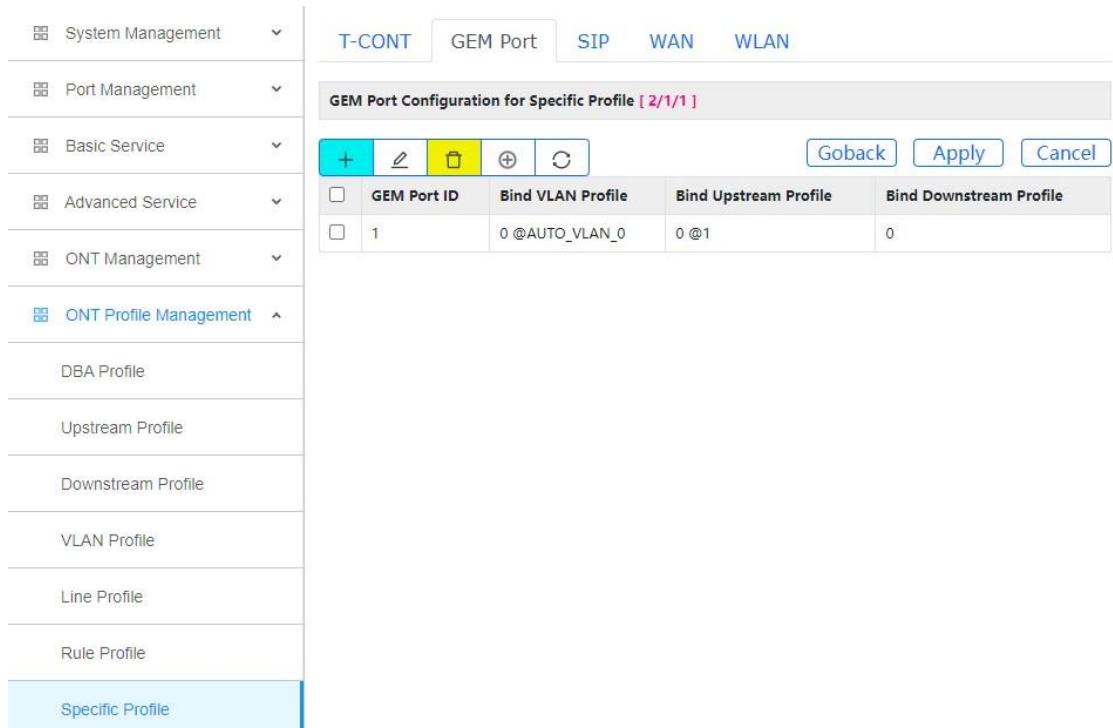


Figure 7-14

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 configuration interface for SIP Agent. On the left, a sidebar lists various management profiles: System Management, Port Management, Basic Service, Advanced Service, ONT Management, and ONT Profile Management. Under ONT Profile Management, 'Specific Profile' is selected. The main panel has tabs for T-CONT, GEM Port, SIP, WAN, and WLAN. The SIP tab is active, showing sub-tabs for SIP Agent, SIP User Address, SIP User Information, and SIP Digit Map. The SIP Agent sub-tab is selected, displaying the 'SIP Agent Configuration for Specific Profile [2/1/1]' section. It includes buttons for '+', edit, delete, and refresh, along with 'Goback', 'Apply', and 'Cancel' buttons. A table lists the configuration: Proxy Server (10.1.1.1), Outbound Proxy (10.1.1.1), Registrar Server (10.1.1.1), and Signal Port (empty). The table has columns for Proxy Server, Outbound Proxy, Registrar Server, and Signal Port.

Proxy Server	Outbound Proxy	Registrar Server	Signal Port
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 configuration interface for SIP User Address. The sidebar and tabs are identical to Figure 7-15. The SIP User Address sub-tab is selected, showing the 'SIP User Address Configuration for Specific Profile [2/1/1]' section. It includes buttons for '+', edit, delete, and refresh, along with 'Goback', 'Apply', and 'Cancel' buttons. A table lists the configuration: IP Mode (DHCP), VLAN (100), Priority (100), IP Address (empty), Mask (empty), Gateway (empty), Primary DNS (empty), and Secondary DNS (empty). The table has columns for IP Mode, VLAN, Priority, IP Address, Mask, Gateway, Primary DNS, and Secondary DNS.

IP Mode	VLAN	Priority	IP Address	Mask	Gateway	Primary DNS	Secondary DNS
DHCP	100	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.

The screenshot shows a web-based configuration interface for SIP User Information. On the left is a vertical navigation menu with options like System Management, Port Management, Basic Service, Advanced Service, ONT Management, and ONT Profile Management (which is currently selected). Below this are DBA Profile, Upstream Profile, Downstream Profile, VLAN Profile, Line Profile, Rule Profile, and Specific Profile (which is also selected). The main content area has tabs for T-CONT, GEM Port, SIP, WAN, and WLAN. The SIP tab is active, showing sub-tabs for SIP Agent, SIP User Address, SIP User Information (which is selected), and SIP Digit Map. A sub-section titled 'SIP User Info Configuration for Specific Profile [2/1/1]' contains a table with columns: POTS Number, Description, Username, Password, and Telephone Number. One row is present with values: 1, 123456, 3000, abcd123, and 3000. Below the table are buttons for '+', edit, delete, and refresh, along with Goback, Apply, and Cancel buttons.

POTS Number	Description	Username	Password	Telephone Number
1	123456	3000	abcd123	3000

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.

The screenshot shows a web-based configuration interface for SIP Digit Map. The left navigation menu and tabs are identical to Figure 7-17. The main content area shows the 'SIP Digit Map Configuration for Specific Profile [2/1/1]' section. It features a table with columns: Dial Plan ID and Dial Plan Token. One row is shown with values: 1 and 134567481341564561313. Below the table are buttons for '+', edit, delete, and refresh, along with Goback, Apply, and Cancel buttons.

Dial Plan ID	Dial Plan Token
1	134567481341564561313

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.

WAN Index	IP Mode	User Name	Password	Service Name	NAT Status	Service Type	Bind LANs	Connect Type	VLAN	Priority
1	DHCP			tr069	Disable	route	1	route	100	
2	PPPoE	pppoe		internet	Disable	internet	1	route	101	
3	DHCP			voip	Disable	voip	1	route	102	
4	DHCP			other	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.

WLAN ID	SSID	Key	Bind WiFi Profile
0	1	12345678	0
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.

Profile ID	Profile Name	Parameter Active	RX Low (dBm)	RX High (dBm)	TX Low (dBm)	TX High (dBm)
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.

Profile ID	Profile Name	Detail
0	default_index_0	[Edit icon]

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.

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
0	Preview	224.1.1.1	1.1.1.1	1	1	10	30	1:00	3	1
1	Permit	225.1.1.1	2.1.1.1	1	1					1

Figure 7-23