



Interoperability Guide

Integrating the Komutel SIT 2 PC Console with the NetVanta 7000 Series

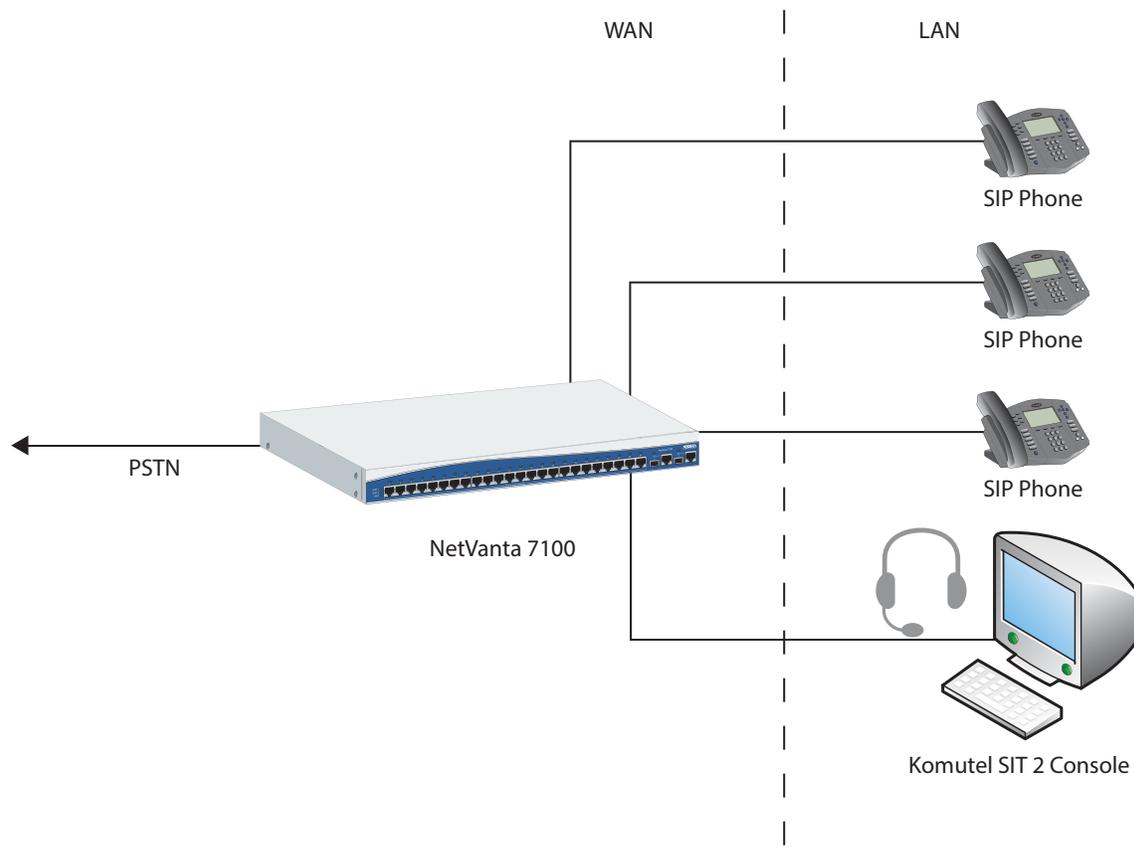
This interoperability guide provides instructions for integrating the Komutel SIT 2 PC Console with the NetVanta 7000 Series to provide a PC-based attendant console for operators. This guide includes a solution description, recommended equipment versions, and instructions for configuring the NetVanta 7000 Series and Komutel SIT 2 PC Console.

This guide consists of the following sections:

- *Solution Overview on page 2*
- *Hardware and Software Requirements and Limitations on page 2*
- *Configuring the NetVanta 7000 Series on page 3*
- *Configuring the Komutel SIT 2 PC Console on page 11*

Solution Overview

The NetVanta 7000 Series provides private branch exchange (PBX) and unified communication services for customers. Some NetVanta 7000 Series deployments require the use of a PC-based attendant console for operators. Komutel provides the SIT 2 PC Console software that supports multiple languages. The solution uses the SIT 2 PC Console to provide attendant console functionality for the NetVanta 7000 Series.



Hardware and Software Requirements and Limitations

The SIT 2 PC Console does not support manually dialing the * key when initiating a call. Consequently, contact buttons must be configured for SPRE code functions. For example, to park and pick up a call in zone 1, a contact button must be created with the number *771 (park) and another with *781 (pickup). Additional contact buttons are required for other park zones and SPRE code features. For a list of SPRE codes that can be used with the NetVanta 7000 Series, refer to *Appendix A. Special Prefix (SPRE) Codes* in the *NetVanta 7100 Administrator's Guide* available from <https://supportforums.adtran.com>.

The SIT 2 PC Console does not support subscribing to non-numeric busy lamp fields (BLFs). For example, if **Park 0** is in the status group to which the SIT 2 PC Console is subscribed, its status will not be updated by the console.

The SIT 2 PC Console can only subscribe to one status group.

Equipment and Versions

The following table outlines the equipment and firmware versions used in verification testing.

Table 1. Verification Test Equipment and Firmware Versions

Product	Firmware/Software Version
ADTRAN NetVanta 7100	R10.11.0.E
ADTRAN IP 712	2.3.0
Polycom VVX 300, VVX500, and IP 550	4.0.5 and 4.1.6
Komutel SIT 2 PC Console	2.3.28.16338

Configuring the NetVanta 7000 Series

To integrate the Komutel SIT 2 PC Console with NetVanta 7000 Series, the SIT 2 PC Console must be assigned an extension on the NetVanta 7000 Series unit, and a status group for monitoring the phones associated with the SIT 2 PC Console must be created. If required, the SIT 2 PC Console can also be added to a call queue. The following sections outline how to configure the NetVanta 7000 Series:

- *Step 1: Log in to the NetVanta 7000 Series on page 3*
- *Step 2: Create a User Account for the Komutel SIT 2 PC Console on page 4*
- *Step 3: Optional. Add the Komutel SIT 2 PC Console Extension to a Call Queue on page 5*
- *Step 4: Configure a Status Group for the Komutel SIT 2 PC Console on page 6*
- *Step 5: Configure PSTN Call Routing on page 8*

Step 1: Log in to the NetVanta 7000 Series

To log in to the NetVanta 7000 Series as an administrator, follow these steps:

1. Open a new web page in your Internet browser.
2. Enter your AOS product's IP address in the Internet browser's address field in the form **http://<ip address>/admin**, for example:
http://10.10.10.1/admin

- At the prompt, enter your user name and password and select **OK**.



 **NOTE** *The default user name is **admin** and the default password is **password**.*

Step 2: Create a User Account for the Komutel SIT 2 PC Console

To create a user account for the SIT 2 PC Console, follow these steps:

- In the NetVanta 7000 Series graphic user interface (GUI), use the navigation bar on the left side of the page to navigate to **Voice > Stations > User Accounts**. The **User Accounts** menu will appear.
- In the **User Accounts** menu, select **New** to create a new user.

User Accounts						
New Edit Delete						Refresh
<input type="checkbox"/>	Last Name	First Name	Extension	Port/Status	Station CoS	
<input type="checkbox"/>			00000	virtual	No Access	
<input type="checkbox"/>	IP Phone	Default	2000	SIP	public_phones	
<input type="checkbox"/>	Port 0/1	Analog FXS	2001	fxs 0/1	normal_users	
<input type="checkbox"/>	Port 0/2	Analog FXS	2002	fxs 0/2	normal_users	

- In the menu that appears, perform the following:
 - In the **Extension** field, enter the desired extension for the SIT 2 PC Console user account.
 - In the **First Name** and **Last Name** fields, enter a description to identify the SIT 2 PC Console user account.

- In the **Members** tab, select **Add Members**.

- In the menu that appears, select the **SIT 2 PC Console** entry. Then select **Add**.

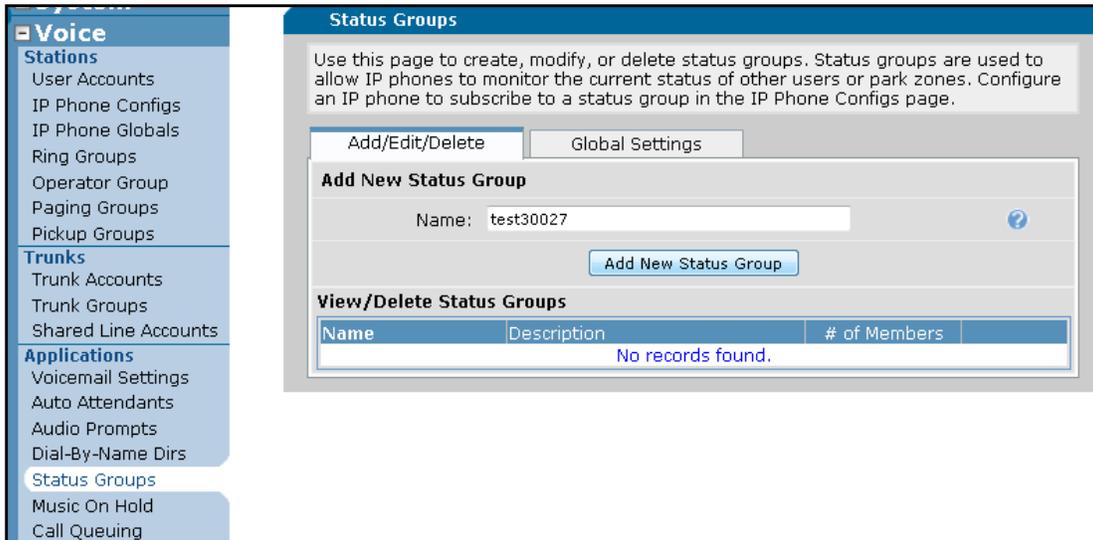
- Select **Apply**.

Step 4: Configure a Status Group for the Komutel SIT 2 PC Console

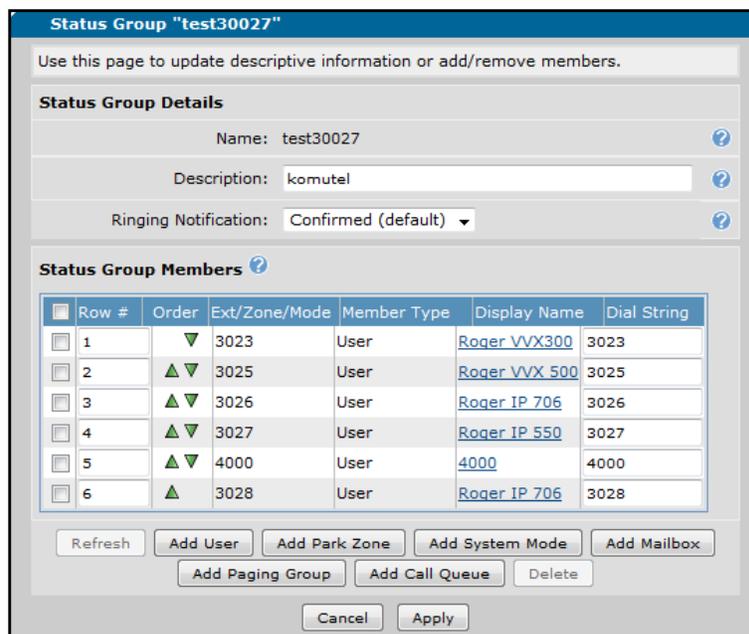
In order for the SIT 2 PC Console user to monitor the status of and transfer calls to extensions, the extensions must be placed in a status group, and the SIT 2 PC Console must subscribe to it. To configure a status group for the SIT 2 PC Console, follow these steps:

- In the NetVanta 7000 Series GUI, use the navigation bar on the left side of the page to navigate to **Voice > Applications > Status Groups**. The **Status Groups** menu will appear.

2. In the **Status Groups** menu, enter a name for the status group in the **Name** field, and select **Add New Status Group**. Record the name of the status group, as the SIT 2 PC Console will be configured to subscribe to this group. The **Status Group** configuration menu will appear.



3. In the **Status Group** configuration menu, perform the following:
 - a. In the **Description** field, enter a description for the status group.
 - b. Use the **Add User** button to add the extensions of all users that will be managed by the SIT 2 PC Console user. You should add any extension the status of which the SIT 2 PC Console user will monitor and to which the SIT 2 PC Console user will transfer calls.
 - c. Optional. If you assigned the SIT 2 PC Console extension to a call queue, use the **Add User** button to add the call queue extension to the status group. This will allow calls to the call queue to show immediately on the SIT 2 PC Console.



Step 5: Configure PSTN Call Routing

The public switched telephone network (PSTN) trunk account must be configured to route calls to the SIT 2 PC Console user, call queue, or auto attendant. This requires you to associate a direct inward dialing (DID) number with the desired user account, call queue, or auto attendant.

Assigning a DID Number to a SIT 2 PC Console User

To assign a DID number to a SIT 2 PC Console user account, follow these steps:

1. In the NetVanta 7000 Series GUI, use the navigation bar on the left side of the page to navigate to **Voice > Stations > User Accounts**. The **User Accounts** menu will appear.
2. In the **User Accounts** menu, select the SIT 2 PC Console user, then select **Edit**.

User Accounts					
New Edit Delete Refresh					
	Last Name	First Name	Extension	Port/Status	Station CoS
<input type="checkbox"/>			00000	virtual	No Access
<input type="checkbox"/>	IP Phone	Default	2000	SIP	public_phones
<input type="checkbox"/>	Port 0/1	Analog FXS	2001	fxs 0/1	normal_users
<input type="checkbox"/>	Port 0/2	Analog FXS	2002	fxs 0/2	normal_users
<input checked="" type="checkbox"/>	Console	Console	3000	SIP	normal_users

3. In the **General** tab, select **Show** next to **DID Numbers**.

User Accounts

General User Config Current Settings Call Coverage Voicemail VoIP FQFM

Extension: 3000

First Name: Console Optional, 40 characters max.

Last Name: Console Optional, 40 characters max.

Phone Type: SIP

Phone MAC Address: Not Set Edit Config...

Simple Remote Phone Enabled

PIN: **** (Must be 4 digits)

SIP Auth Password: Generate random password JIXzPIMTsp8440B8

DID Numbers: Show

Aliases: Show

4. In the menu that appears, select **New** to add a new DID number.

DID Numbers: Hide

New Delete

	DID Number	Valid?
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		

- In the **DID Number** field, enter the desired DID number. Then, select **Add**. The DID number will be added to the DID number list.

The screenshot shows a 'DID Numbers' section with a 'Hide' dropdown. Below it are 'New' and 'Delete' buttons. A text input field labeled 'DID Number:' contains '2565554000' with a '(30 digits max)' note below it. 'Add' and 'Cancel' buttons are positioned below the input field. At the bottom, a table with columns 'DID Number' and 'Valid?' is visible, currently empty.

- In the DID number list, select the DID number you created in the previous step.

The screenshot shows the 'DID Numbers' section with the 'Hide' dropdown. The 'New' and 'Delete' buttons are present. The table below now contains one entry: '2565554000' in the 'DID Number' column and an empty 'Valid?' column. Both the first row of the table and the 'DID Number' column header have a checkmark in the first column, indicating they are selected.

- Select **Apply** to apply the DID number settings.

Assigning a DID Number to a Call Queue

To assign a DID number to a call queue of which a SIT 2 PC Console user is a member, follow these steps:

- In the NetVanta 7000 Series GUI, use the navigation bar on the left side of the page to navigate to **Voice > System Setup > System Parameters**. The **System Parameters** menu will appear.
- In the **System Parameters** menu, select the **System DID** tab.
- In the **System DID** tab, perform the following:
 - Use the **Type** drop-down menu to select **Manual**.
 - In the **External Number** field, enter the desired DID number for the call queue.
 - In the **Internal Number** field, enter the extension of the call queue.

- d. Select **Add New Entry**. The DID number enter will be added to the **System DID Entries** list.

- 4. Select **Apply**.

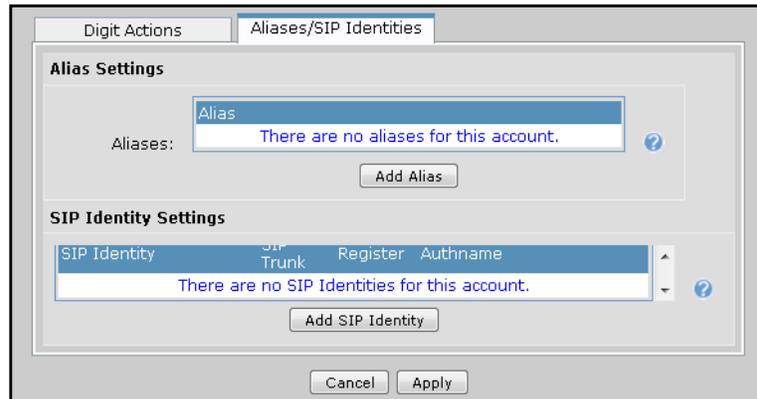
Assigning a DID Number to an Auto Attendant

DID numbers are assigned to auto attendants using aliases. To assign a DID number to an auto attendant, follow these steps:

1. In the NetVanta 7000 Series GUI, use the navigation bar on the left side of the page to navigate to **Voice > Applications > Auto Attendants**. The **Auto Attendants** menu will appear.
2. In the **Auto Attendants** menu, select the name of the desired auto attendant. The **Auto Attendant** configuration menu will appear.

Name	Extension	Description	
DayAA	8201		Delete
DefaultAA	8200		?

- In the **Auto Attendant** configuration menu, select the **Aliases/SIP Identities** tab.



- In the **Aliases/SIP Identities** tab, select **Add Alias**.
- In the **Add Alias** menu that appears, enter the DID number in the field and select **Add Alias**. The DID number will be added to the list of aliases associated with the auto attendant.



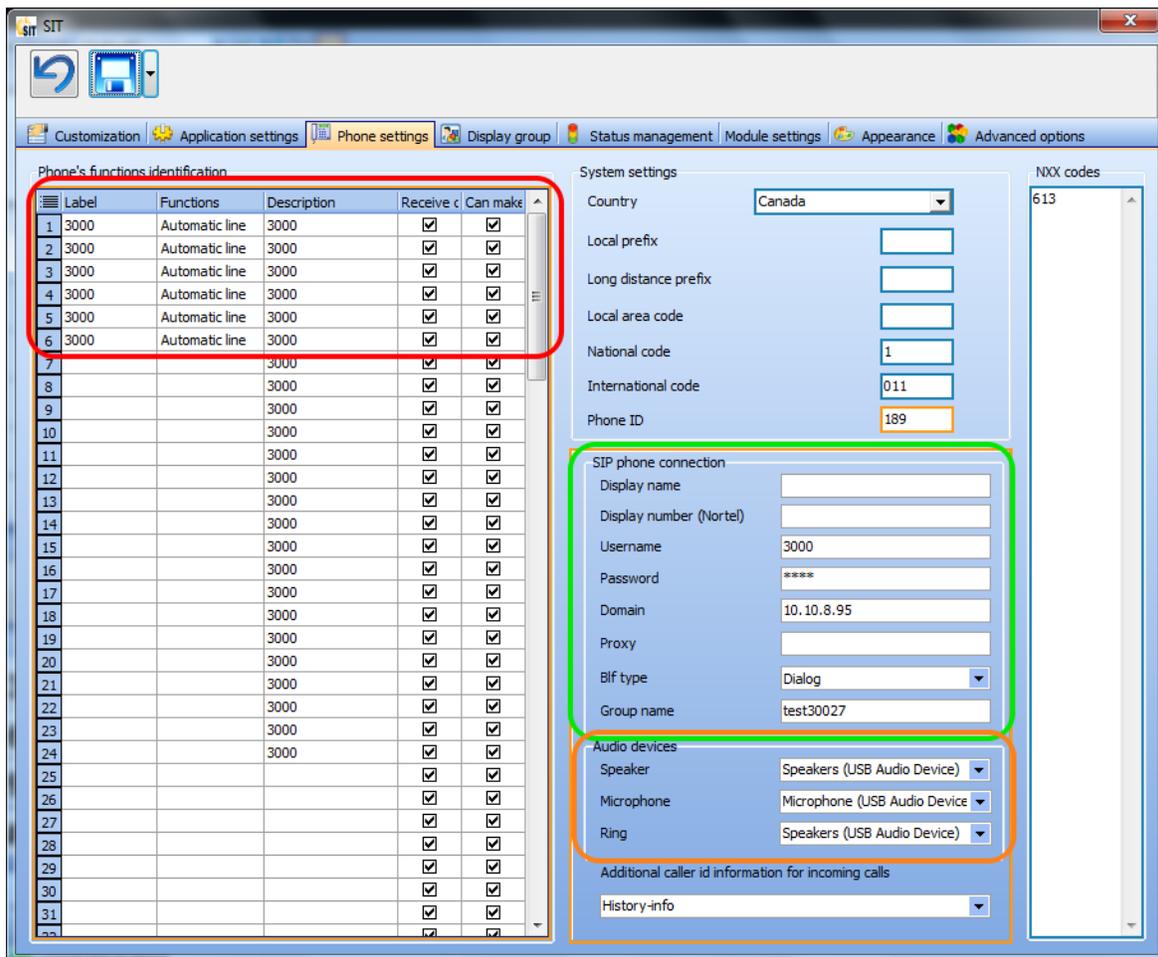
- Select **Apply**.

Configuring the Komutel SIT 2 PC Console

To configure the SIT 2 PC Console for integration with the NetVanta 7000 Series, follow these steps:

- Log in to the SIT 2 PC Console.

- In the SIT 2 PC Console, navigate to **Tools > Options** and select the **Phone settings** tab.



- In the **Phone's functions identification** area (surrounded by a red border), add as many line appearance instances as desired. This will be the number of incoming calls that will be shown simultaneously.
- In the **SIP phone connection** area (surrounded by a green border), perform the following:
 - In the **Username** field, enter the extension assigned to the SIT 2 PC Console user on the NetVanta 7000 Series (refer to [Step 2: Create a User Account for the Komutel SIT 2 PC Console on page 4](#)).
 - In the **Password** field, enter the password assigned to the SIT2 PC Console user on the NetVanta 7000 Series.
 - In the **Domain** field, enter the IP address of the NetVanta 7000 Series.
 - Use the **Blf type** drop-down menu to select **Dialog**.
 - In the **Group name** field, enter the name of the NetVanta 7000 Series status group to which the SIT 2 PC Console user is subscribed (refer to [Step 4: Configure a Status Group for the Komutel SIT 2 PC Console on page 6](#)).
- In the **Audio devices** area (surrounded by an orange border), perform the following:
 - Use the **Speaker** drop-down menu to select the computer device to use as the speaker output.

- b. Use the **Microphone** drop-down menu to select the computer device to use as the microphone input.
- c. Use the **Ring** drop-down menu to select the computer device to use for the ringing functionality. Generally, this will be the same as the device used for the speaker.