

## I. Introduction

This Alcatel-Lucent OmniPCX Integration Guide provides general guidelines for integration of the **VOIP-500 Series Phone** with an Alcatel-Lucent OmniPCX Enterprise Communication Server. It is recommended to read this integration guide completely before starting any installation. For detailed VOIP-500 setup instructions, please consult the **VOIP-500 Series Phone Manual**.

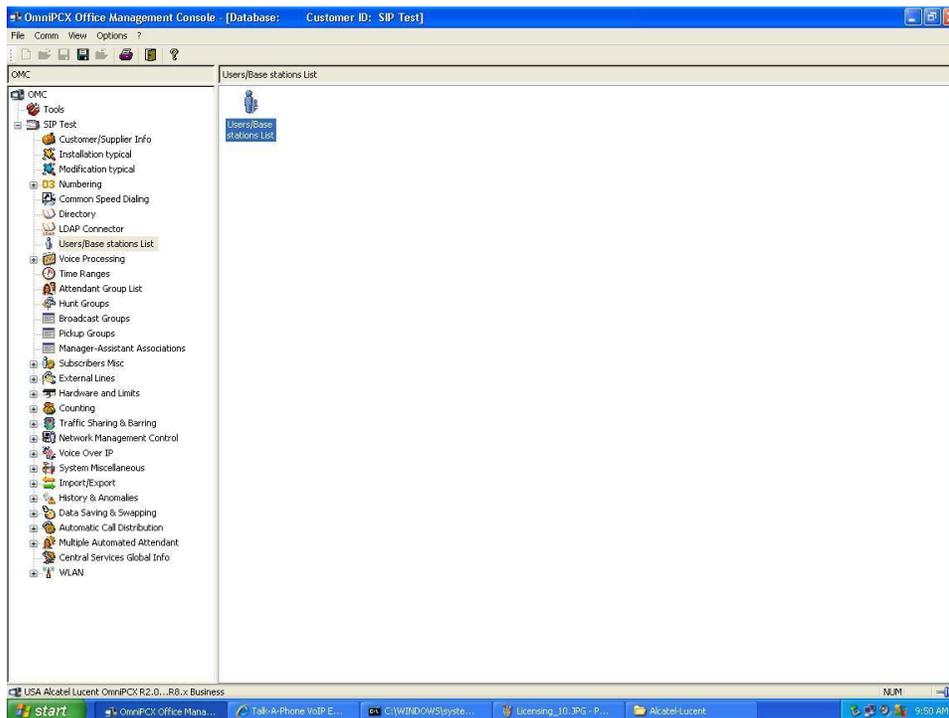
## II. Prerequisites

- Alcatel-Lucent OmniPCX Enterprise Communication Server
- SIP Device Licensing for Third-party SIP (Basic) devices
- Network access to the OmniPCX Server, **VOIP-500 Series Phones**, and all network services (SIP, TFTP, HTTP, FTP, DNS, RTP/SRTP)

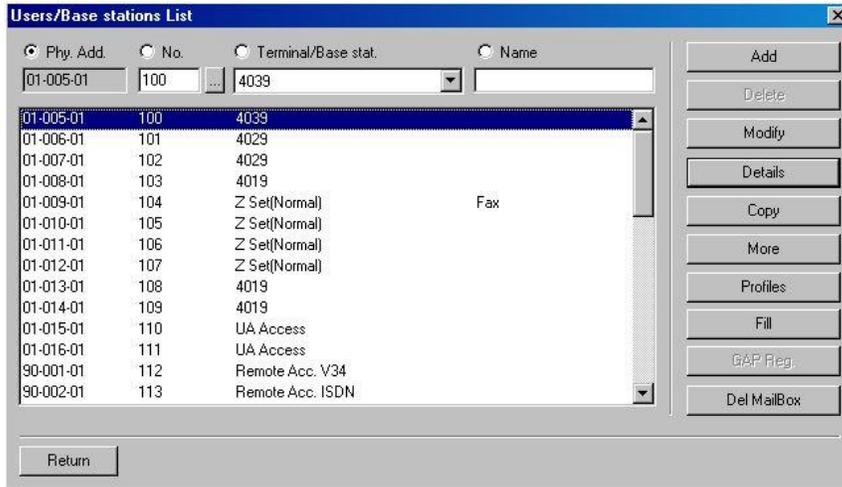
## III. OmniPCX Basic Configuration

This document provides basic guidelines for integrating a **VOIP-500 Series Phone** with an Alcatel-Lucent OmniPCX Enterprise Communication Server. Advanced setup of OmniPCX Enterprise Communication Server features is outside the scope of this document.

1. Connect to the OmniPCX Enterprise Communication Server through the OmniPCX Office Management Console with Administrator credentials.
2. Create a new User by double-clicking **Users/Base stations list**:



- Click **Add** in the Users/Base stations List window:



Phy. Add.	No.	Terminal/Base stat.	Name
01-005-01	100	4039	
01-006-01	101	4029	
01-007-01	102	4029	
01-008-01	103	4019	
01-009-01	104	Z Set(Normal)	Fax
01-010-01	105	Z Set(Normal)	
01-011-01	106	Z Set(Normal)	
01-012-01	107	Z Set(Normal)	
01-013-01	108	4019	
01-014-01	109	4019	
01-015-01	110	UA Access	
01-016-01	111	UA Access	
90-001-01	112	Remote Acc. V34	
90-002-01	113	Remote Acc. ISDN	

- Choose **IP Terminal**, specify the desired extension in the **No.** field and then press the **OK** button:

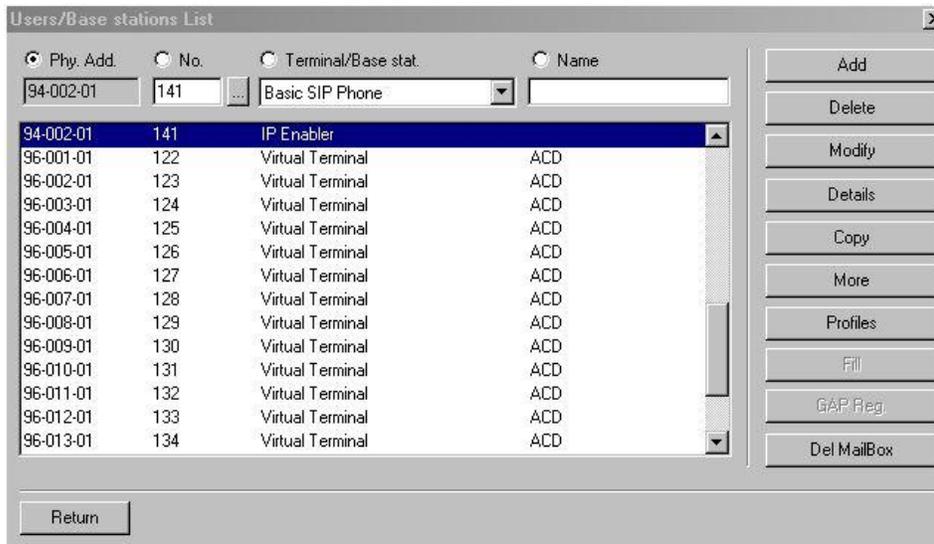


DECT/PWT handset     Subdevice  
 Phone card holder     IP terminal  
 Virtual terminal     My IC Mobile  
 Media  
 Nomadic

Number of devices: 1  
 No.: 141  
 Phy. Add.: None  
 Name:   
 Subdevice Type:

OK    Cancel

- Select the newly created station then select **Basic SIP Phone** from within the drop-down menu below Terminal/Base stat. Then press **Modify**:



Users/Base stations List

Phy. Add.  
  No.  
  Terminal/Base stat.  
  Name

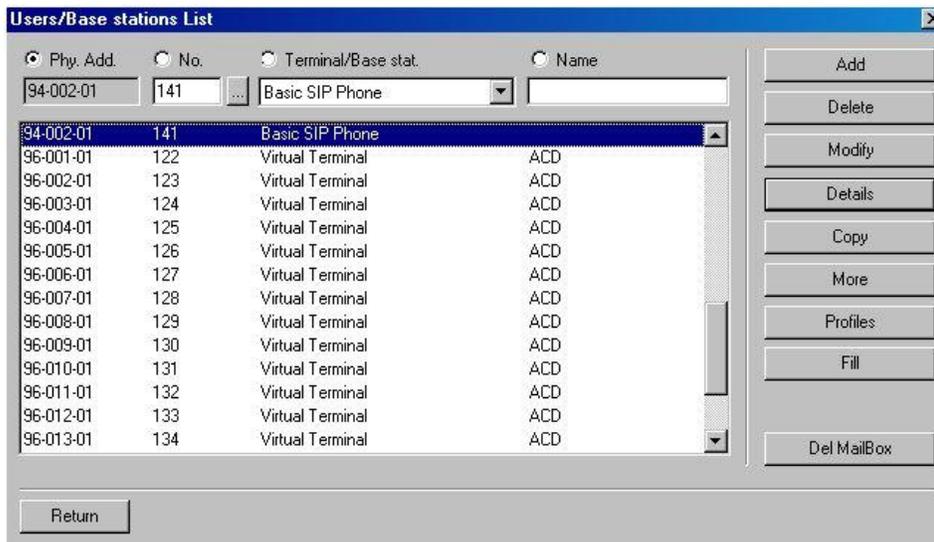
94-002-01   141   ...   Basic SIP Phone  

94-002-01	141	IP Enabler	
96-001-01	122	Virtual Terminal	ACD
96-002-01	123	Virtual Terminal	ACD
96-003-01	124	Virtual Terminal	ACD
96-004-01	125	Virtual Terminal	ACD
96-005-01	126	Virtual Terminal	ACD
96-006-01	127	Virtual Terminal	ACD
96-007-01	128	Virtual Terminal	ACD
96-008-01	129	Virtual Terminal	ACD
96-009-01	130	Virtual Terminal	ACD
96-010-01	131	Virtual Terminal	ACD
96-011-01	132	Virtual Terminal	ACD
96-012-01	133	Virtual Terminal	ACD
96-013-01	134	Virtual Terminal	ACD

Return

Add  
 Delete  
 Modify  
 Details  
 Copy  
 More  
 Profiles  
 Fill  
 GAP Reg.  
 Del MailBox

- Select the new station again and press **Details**:



Users/Base stations List

Phy. Add.  
  No.  
  Terminal/Base stat.  
  Name

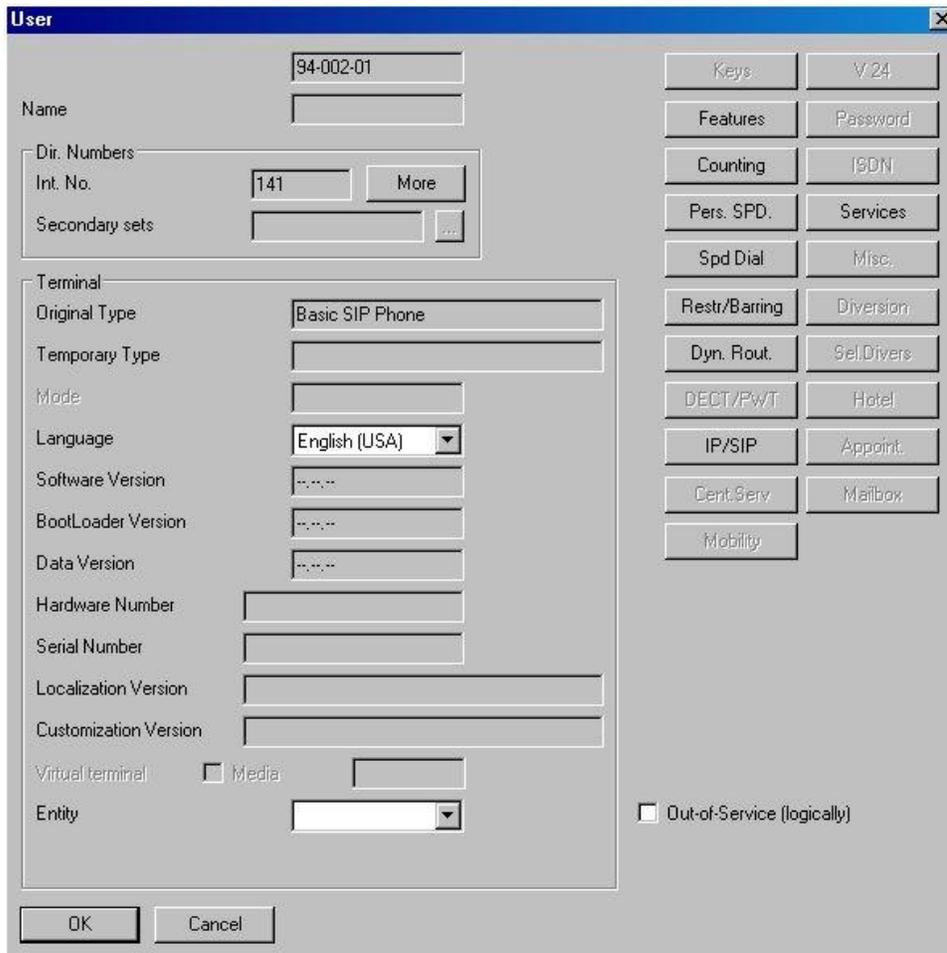
94-002-01   141   ...   Basic SIP Phone  

94-002-01	141	Basic SIP Phone	
96-001-01	122	Virtual Terminal	ACD
96-002-01	123	Virtual Terminal	ACD
96-003-01	124	Virtual Terminal	ACD
96-004-01	125	Virtual Terminal	ACD
96-005-01	126	Virtual Terminal	ACD
96-006-01	127	Virtual Terminal	ACD
96-007-01	128	Virtual Terminal	ACD
96-008-01	129	Virtual Terminal	ACD
96-009-01	130	Virtual Terminal	ACD
96-010-01	131	Virtual Terminal	ACD
96-011-01	132	Virtual Terminal	ACD
96-012-01	133	Virtual Terminal	ACD
96-013-01	134	Virtual Terminal	ACD

Return

Add  
 Delete  
 Modify  
 Details  
 Copy  
 More  
 Profiles  
 Fill  
 Del MailBox

- On the User window, press **IP/SIP**:



The screenshot shows a 'User' configuration window with the following fields and buttons:

- Name:** 94-002-01
- Dir. Numbers:**
  - Int. No.: 141 (with 'More' button)
  - Secondary sets: (with '...' button)
- Terminal:**
  - Original Type: Basic SIP Phone
  - Temporary Type: (empty)
  - Mode: (empty)
  - Language: English (USA) (dropdown)
  - Software Version: (empty)
  - BootLoader Version: (empty)
  - Data Version: (empty)
  - Hardware Number: (empty)
  - Serial Number: (empty)
  - Localization Version: (empty)
  - Customization Version: (empty)
  - Virtual terminal:  Media: (empty)
  - Entity: (dropdown)
- Right-hand menu buttons:** Keys, V24, Features, Password, Counting, ISDN, Pers. SPD., Services, Spd Dial, Misc., Restr/Barring, Diversion, Dyn. Rout., Sel.Divers, DECT/PWT, Hotel, **IP/SIP**, Appoint., Cent.Serv, Mailbox, Mobility
- Bottom buttons:** OK, Cancel
- Out-of-Service (logically):**

8. Enter the **MAC Address** of the **VOIP-500 Series Phone**:



9. Next, if authentication is desired, enter a **SIP password** and check the **SIP authentication** checkbox on the **SIP Parameters** tab. Then click **OK**:



10. If adding multiple **VOIP-500 Series Phones**, repeat Steps 3-9 for each device.

#### IV. VOIP-500 Series Phone Configuration

1. Using a web browser, enter the IP address of the **VOIP-500 Series Phone** that you are programming. Login to the device with the configured Username and Password.
2. In the VOIP-500 main menu, select **Network > SIP Settings**.
3. Enter the following fields on the **SIP Settings** page. Then click **Apply**.  
**Assign a phone number:**  
Phone Number: Enter the Base station extension created in Step III.4

**Specify domain name:**

Domain Name: Enter the IP address of the OmniPCX Enterprise Communication Server

**Enable/disable SIP registration:**

Register: Checked

**Specify SIP registrar:**

Username: Enter the User/Base station created in Step III.4

Password: Enter the SIP Authentication password created in Step III.9

IP Address: Enter the IP address of the OmniPCX Enterprise Communication Server

Port: (default: 5060)

Re-registration Time: (default: 3600)

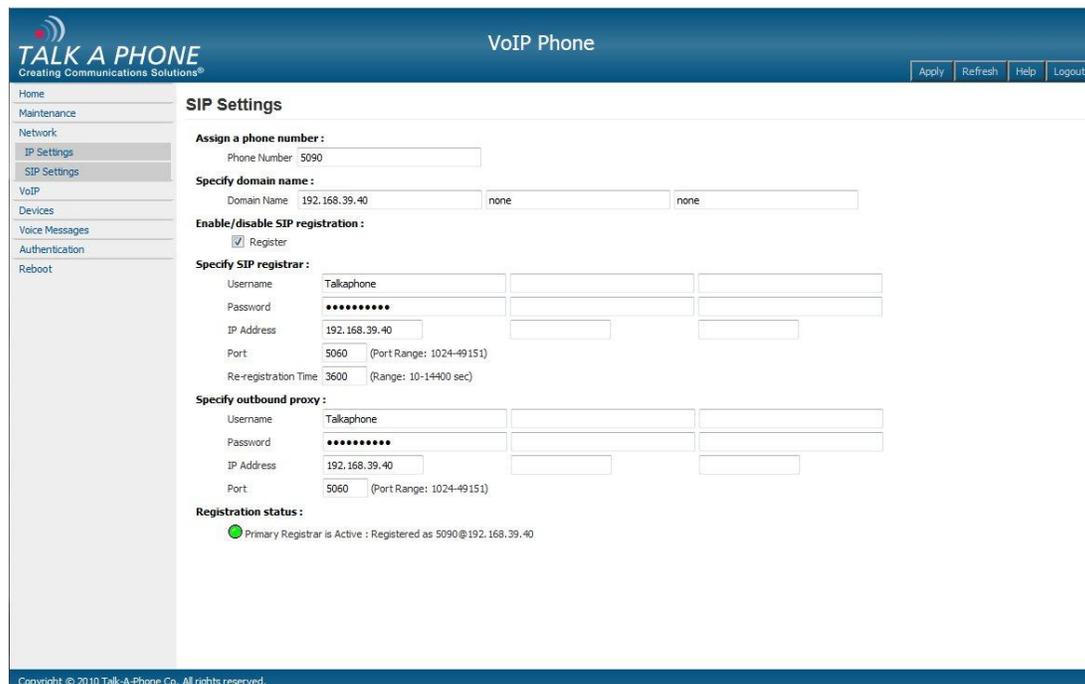
**Specify outbound proxy:**

Username: Enter the User/Base station created in Step III.4

Password: Enter the SIP Authentication password created in Step III.9

IP Address: Enter the IP address of the OmniPCX Enterprise Communication Server

Port: (default: 5060)



The screenshot shows the 'SIP Settings' page of a VoIP phone. The page has a blue header with the 'TALK A PHONE' logo and 'VoIP Phone' text. A navigation menu on the left includes Home, Maintenance, Network, IP Settings, SIP Settings (selected), VoIP, Devices, Voice Messages, Authentication, and Reboot. The main content area contains several sections: 'Assign a phone number' with a text field for 'Phone Number' (5090); 'Specify domain name' with a 'Domain Name' field (192.168.39.40) and two dropdown menus (none); 'Enable/disable SIP registration' with a checked 'Register' checkbox; 'Specify SIP registrar' with fields for Username (Talkaphone), Password (masked), IP Address (192.168.39.40), Port (5060), and Re-registration Time (3600); 'Specify outbound proxy' with similar fields; and 'Registration status' showing a green dot and text: 'Primary Registrar is Active : Registered as 5090@192.168.39.40'. Buttons for 'Apply', 'Refresh', 'Help', and 'Logout' are in the top right. A copyright notice is at the bottom left.

4. Repeat Steps 1-4 for any additional **VOIP-500 Series Phones**.