



SIP-enabled CyberData Device Setup Guide (Cudatel)

1.0 Setup Diagram

Figure 1 is a setup diagram for a single CyberData Device configuration. In this configuration, the CyberData Device acts as a standalone SIP telephony device.

Figure 1. Setup Diagram



2.0 Host Environment

Table 1. Host Environment Details

	Description			
Hardware Type				-
Hardware Version				-
Software Type				
Software Version				-

3.0 Test Setup Equipment

Table 2. Test Setup Equipment		
Equipment	Model	Version
CyberData Device		
Notes:		
IP (SIP) Phone		
Notes:		
PoE Switch		
Notes:		

4.0 Procedure

Question:

How do I configure my Cyberdata Brand Paging Device to work with my Cudatel Communications Server?

Scope:

This solution applies to The Cyberdata line of devices when connecting to Cudatel Communication Servers.

Answer:

The Cyberdata line of devices are not currently provisioned by the Cudatel. They can, however, be configured to register to the Cudatel as a generic SIP device. This can be accomplished in a few steps.

4.1 From the CudaTel Server

- 1. Navigate to **Extensions > People**, and create a user account for the device. Barracuda recommends using a recognizable username (paging system1..) and disabling voice-mail.
- 2. Scroll down to the section of the properties page labeled Phones and click Add a Phone.
- 3. Select Generic SIP Device and click the button labeled Add Phone.
- 4. Click on the new Phone on the properties and select Phone Information.
- 5. Click on the extension number on the left side of the window.

4.2 From the SIP Device/Client

- 1. Open your browser to the Intercom IP address.
- **Note** If the network does not have access to a DHCP server, the device will default to an IP address of 10.10.10.10.
- Note Make sure that the PC is on the same IP network as the Intercom.
- **Note** You may also download CyberData's VoIP Discovery Utility program which allows you to easily find and configure the default web address of the CyberData VoIP products.

CyberData's VoIP Discovery Utility program is available at the following website address: <u>http://www.cyberdata.net/support/voip/discovery_utility.html</u>

- **Note** The Intercom ships in DHCP mode. To get to the **Home** page, use the discovery utility to scan for the device on the network and open your browser from there.
- 2. When prompted, use the following default **Web Access Username** and **Web Access Password** to access the **Home Page** (Figure 2):

Web Access Username: admin

Web Access Password: admin

	CyberD	ata v3 Intercom
	Сувств	
Home	- Device Settings	
	Device Name:	CyberData VoIP Intercom
Device Config		
Networking	Change Username:	admin
SID Config	Change Password:	
SIP Conlig	Re-enter Password.	
Nightringer	Current Settings	
Sensor Config	Serial Number:	214000259
Sensor Coning	Mac Address: 00:20:f7:01:b4:2a	
Multicast Config	Firmware Version:	v8.0.0
Audio Config	IP Addressing:	dhcp
Audio Config	IP Address:	10.10.1.58
Event Config	Subnet Mask:	255.0.0.0
	Default Gateway:	10.0.0.1
Autoprovisioning	DNS Server 1:	10.0.0.1
Update Firmware	DNS Server 2:	
	Speaker Volume:	4
	Microphone Gain:	4

Figure 2. Home Page

1. Click **SIP Config** to open the **SIP Configuration** page (Figure 3).

Figure 3. SIP Configuration Page

	CvberData v3 Int	ercom
Home	SIP Configuration	
Device Config	Enable SIP operation:	
Networking	SIP Settings	1000000
	Primary SIP Server (NOT Registered):	10.0.0.253
SIP Config	Primary SIP Oser ID.	199
Nightringer	Primary SIP Auth Password:	000000
	,	
Sensor Config	Backup SIP Server 1 (NOT Registered):	
Multicast Config	Backup SIP User ID 1:	
	Backup SIP Auth ID 1:	
Audio Config	Backup SIP Auth Password 1:	
Event Config		
Event coming	Backup SIP Server 2 (NOT Registered):	<u></u>
Autoprovisioning	Backup SIP User ID 2:	
Undate Firmware	Backup SIP Auth ID 2. Backup SIP Auth Password 2	
opuate rinnware	Duckup on Addin ussword 2.	
	Use Cisco SRST:	
	Downship C/D Docts	E065
	Remote SIP Port:	5065
	Outbound Proxy	
	Outbound Proxy Port:	0
		-
	Register with a SIP Server:	•
	Re-registration Interval (in seconds):	360
	Call disconnection	
	Terminate call after delay (in seconds):	0
	Note: A value of 0 will disable this function	
	RTP Settings	
	RTP Port (even):	10500
	- Dial Out Settings	
	Dial out Settings	204
	Diar out Extension	id204
	Extension ID.	line of
	* You need to reboot for changes to take effect	
	Save Reboot	

- 2. Check the box labeled **Enable SIP Operation**.
- 3. Enter the IP address of the of the Cudatel in the box labeled SIP Server.
- 4. Change the box labeled **Remote Port** to **5065**.
- 5. Enter the extension number in the box labeled Sip User ID.

- 6. Enter the Authorization ID in the box labeled Authenticate ID.
- 7. Enter the password in the box labeled Authenticate Password.
- 8. Click Save, and then click Reboot to activate settings.
- 9. The device will reboot and register to the Cudatel server.

4.3 Nightringer

Some devices support a nightringer extension. This is a separate extension from the default extension, which is used to provide overhead ring only. This extension will not be answered by the device.

- 1. Enter the IP address of the device into your web browser. Please refer to the product documentation for instructions on obtaining the device's IP address.
- 2. Log in to the device using the login and password (the default is admin/admin).
- 1. Click on the Nightringer button to open the Nightringer Configuration page. See Figure 4.

Figure 4. Nightringer Configuration Setup

CyberData v3 Intercom				
Home	Nightringer Configuration			
Device Config	Enable Nightringer: 🗌 (NOT Registered with SIP Serve	er)		
Networking	Nightringer Settings	10.0.0.253		
SIP Config	Remote SIP Port:	5065		
	Local SIP Port:	5061		
Nightringer	User ID:	241		
Sensor Config	Authenticate ID:	241		
	Authenticate Password:			
Multicast Config	Re-registration Interval (in seconds):	360		
Audio Config				
Event Config	1			
Event Coning				
Autoprovisioning				
Update Firmware	Save Reboot			

- 2. Check the box labeled Enable Nightringer.
- 3. Enter the IP address of the Cudatel server in the box labeled SIP Server.

- 4. Change the box labeled Remote Port to 5065.
- 5. Enter the extension number in the box labeled Sip User ID.
- 6. Enter the Authorization ID in the box labeled Authenticate ID.
- 7. Enter the password in the box labeled Authenticate Password.
- 8. Click Save, and then click Reboot to activate settings.

4.4 Other Device Options

Due to the number and variety of installation types that the Cyberdata units can be used in, Barracuda support is unable to assist with configuration and connection to third party devices. Cyberdata provides excellent documentation to assist with configuration and offers support at http://www.cyberdata.net/support/voip/index.html.