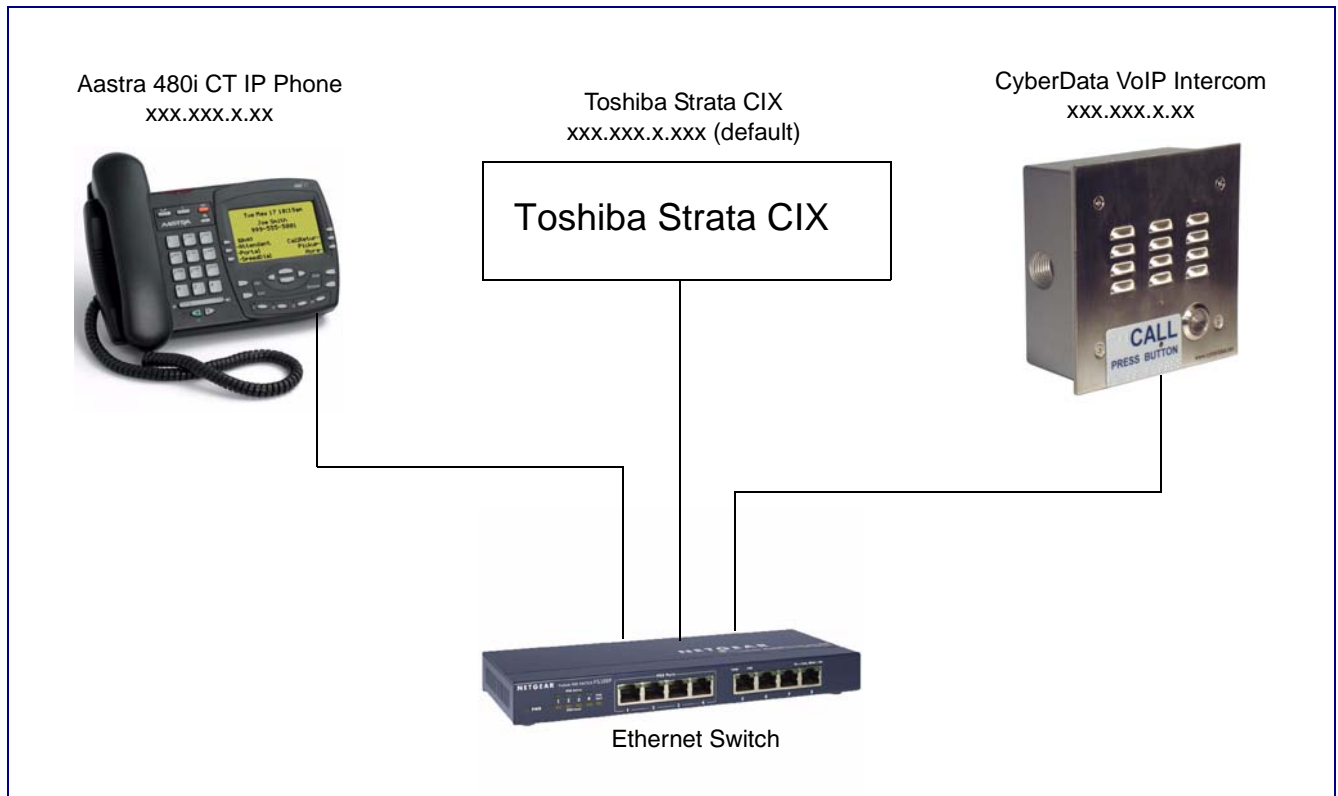# CyberData

VoIP Intercom with Toshiba Strata CIX Server Setup Guide

1.0 Setup Diagram

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

Figure 1-1. Setup Diagram

Aastra 480i CT IP Phone
xxx.xxx.x.xx

Toshiba Strata CIX
xxx.xxx.x.xxx (default)

CyberData VoIP Intercom
xxx.xxx.x.xx

Toshiba Strata CIX

CALL
PRESS BUTTON

Ethernet Switch

2.0 Host PC Environment

Table 2-1. Host PC Environment Details

	Description
Hardware Type	Toshiba Strata CIX Server
Hardware Version	
Software Type	
Software Version	

3.0 Test Setup Equipment

Table 3-1. Test Setup Equipment

Equipment	Model	Version
Notes:		
Notes:		
Notes:		
Notes:		
Notes:		
Notes:		
Notes:		
Notes:		
Notes:		

4.0 CyberData Outdoor Intercom

Description

The CyberData SIP-enabled VoIP Outdoor Intercom is a Power-over-Ethernet (PoE 802.3af) and Voice-over-IP (VoIP) door entry device that easily connects into existing local area networks (LANs) with a single cable connection. The Intercom is compatible with most SIP-based IP PBX servers that comply with the SIP RFC. Its tamper-resistant design allows the unit to be mounted securely and safely.

Strata CIX
Database

Program a SIP telephone as an extension (do not program as a Door Phone).

> **Note**   Note The COS assigned to these stations must include Offhook Campon (parameter 11).

Feature
Interaction

The CyberData Intercom is a SIP station in the Strata CIX system. Certain automatic functions, such as ringing to the night answer when the system is placed in night mode, only apply when a Toshiba Digital Door Phone is installed. Special consideration must be given to how you want the calls from this station to be handled. Typically, answering a door phone is a high priority. Ensure that the door phone will always ring to a location where there will be someone to answer.

Example 1: The DN to be dialed when the Call Button is pressed is configured in each CyberData Intercom device.

- Program that DN in the Strata CIX system database as a Phantom Directory Number (PhDN).
- Program one or more stations with that PhDN as a line appearance button.
- Label those buttons with the name of the door phone (i.e., Receiving Door).

> **Note**   It is important that the door phone appear on one or more stations and that none of those stations will cause that call to forward to voicemail.

Example 2: The DN to be dialed when the Call Button is pressed is configured in each CyberData Intercom device.

- Program that DN in the Strata CIX system database as the Pilot of a Hunt Group.
- Program one or more stations into that Hunt Group.

5.0 Setup Procedure

To set up the Toshiba Strata CIX for the CyberData VoIP Intercom,

1. Access the a CyberData Intercom device configuration by opening your Internet browser to the IP address of the phone.

2. The initial programming is done using the default address:

   http://192.168.3.10

   Note   The PC and the Intercom must be on the same IP network.

3. 2. On the Home screen enter a descriptive name, set a Username and Password. Record these in a safe location.

Figure 4-1. CyberData Configuration Home Page

4. Set the Device Configuration.

Figure 4-2. Device Configuration Page
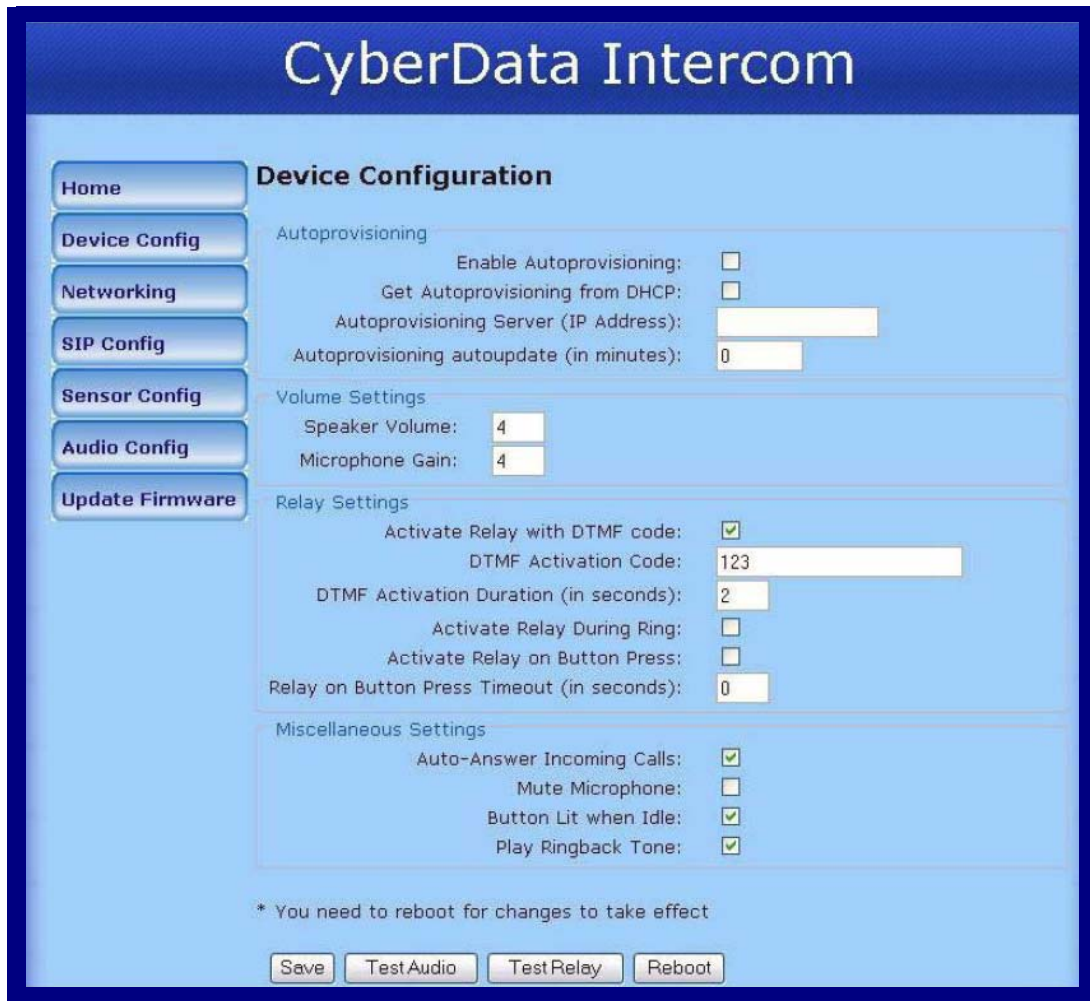
5. Set the **Activate Relay with DTMF Code** to the digits you want dialed to activate the control relay.

6. Refer to the CyberData VoIP Intercom Operations Guide for information concerning the rest of the parameters on this screen.

7. The Network Configuration sets the IP address of this Intercom device. Obtain this information from the System Administrator.

Figure 4-3. Network Configuration Page

8. After entering the network information click on the **Save** button.

Note If you reboot the Intercom at this point you will need to connect the device to the network described in this screen to do any more programming.

9. In the **SIP Configuration** screen, set the parameters as shown.

Figure 4-4. Network Configuration Page.

Table 4-1. SIP Setup Page Settings

SIP Setup Page Items	Setting
SIP Server field	The IP address of the MIPU card on which the SIP station is programmed.
Outbound Proxy field	The IP address of the MIPU card on which the SIP station is programmed.
Remote SIP Port field	5060
Local SIP Port field	5060
SIP User ID field	The SIP Station directory number (extension number of this station) programmed in the Strata CIX database.
Authenticate ID field	This is an optional entry. Required only if the Strata CIX database includes these in IP Telephony > IPT Data, parameters 10 and 11.
Authenticate Password field	This is an optional entry. Required only if the Strata CIX database includes these in IP Telephony > IPT Data, parameters 10 and 11.
Register with a SIP Server field	Make sure that this box is checked.
Dial out Extension field	This is the destination this Intercom will call when the Call Button is pressed. Refer to the Feature Interaction section.

10. Click on **Reboot**.

11. Refer to the CyberData documentation for additional configuration and wiring information.