



# SIP Dual Relay Controller Operations Guide

#### Part #011484 Document Part #931778D for Firmware Version 22.0.1

#### CyberData Corporation

3 Justin Court Monterey, CA 93940 (831) 373-2601 SIP Dual Relay Controller Operations Guide 931778D Part # 011484

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### **Revision Information**

Revision 931778D, which corresponds to firmware version 22.0.1, was released on June 2, 2025, and has the following changes:

• Updates Chapter 2, "Configure the Device for the new Terminus firmware.

#### Important Safety Instructions

- 1. Read these instructions.
- 2. Keep these instructions.
- 3. Heed all warnings.
- 4. Follow all instructions.
- 5. Do not use this apparatus near water.
- 6. Clean only with dry cloth.
- 7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11. Only use attachments/accessories specified by the manufacturer.
- 12. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- 13. Prior to installation, consult local building and electrical code requirements.

#### 14. WARNING: The device enclosure is not rated for any AC voltages!

| GENERAL ALERT | Warning <i>Electrical Hazard:</i> This product should be installed by a licensed electrician according to all local electrical and building codes.                |
|---------------|---|
| GENERAL ALERT | Warning <i>Electrical Hazard:</i> To prevent injury, this apparatus must be securely attached to the floor/wall in accordance with the installation instructions. |
| GENERAL ALERT | Warning<br>The PoE connector is intended for intra-building connections only and does not<br>route to the outside plant.  |

#### Pictorial Alert Icons

| GENERAL ALERT | <b>General Alert</b><br>This pictorial alert indicates a potentially hazardous situation. This alert will be<br>followed by a hazard level heading and more specific information about the hazard. |
|---------------|--|
|               | <b>Ground</b><br>This pictorial alert indicates the Earth grounding connection point.  |

#### Hazard Levels

**Danger**: Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury. This is limited to the most extreme situations.

**Warning**: Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

**Caution**: Indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate injury. It may also alert users against unsafe practices.

Notice: Indicates a statement of company policy (that is, a safety policy or protection of property).

The safety guidelines for the equipment in this manual do not purport to address all the safety issues of the equipment. It is the responsibility of the user to establish appropriate safety, ergonomic, and health practices and determine the applicability of regulatory limitations prior to use. Potential safety hazards are identified in this manual through the use of words Danger, Warning, and Caution, the specific hazard type, and pictorial alert icons.

# Abbreviations and Terms

| Abbreviation or Term | Definition  |
|----------------------|---|
| A-law                | A standard companding algorithm, used in European digital communications systems to optimize, i.e., modify, the dynamic range of an analog signal for digitizing. |
| AVP                  | Audio Video Profile   |
| Cat 5                | TIA/EIA-568-B Category 5  |
| DHCP                 | Dynamic Host Configuration Protocol   |
| LAN                  | Local Area Network  |
| LED                  | Light Emitting Diode  |
| Mbps                 | Megabits per Second.  |
| NTP                  | Network Time Protocol   |
| PBX                  | Private Branch Exchange   |
| PoE                  | Power over Ethernet (as per IEEE 802.3af standard)  |
| RTFM                 | Reset Test Function Management  |
| SIP                  | Session Initiated Protocol  |
| SRTP                 | Secure Real Time Protocol   |
| u-law                | A companding algorithm, primarily used in the digital telecommunication   |
| UC                   | Unified Communications  |
| VoIP                 | Voice over Internet Protocol  |

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# 1 Product Overview and Setup

# 1.1 Typical System Installation

The following figures illustrate how the SIP Dual Relay Controller can be installed as part of a VoIP phone system.



Figure 1-1. Single Door Typical Use Case







Figure 1-3. Wiring



Figure 1-4. Wiring Example with a HES 1500 Electric Strike Using Internal Power Supply





#### Figure 1-5. Wiring Example with a Securitron DEM680E Magnalock Using External Power Supply

### 1.2 Dimensions



Figure 1-6. Dimensions

# 1.3 SIP Dual Relay Controller Components

Figure 1-7 shows the components of the SIP Dual Relay Controller.





## 1.4 Assembly



### 1.5 LED Behavior

See Table 1-1 and Figure 1-9 for the meaning of the device's LED behavior.

#### Table 1-1. LED Behavior

| Status and Link LEDs (at J1):   |   |  |
|---|---|--|
| LED Behavior  | Means   |  |
| The <b>AMBER Status</b> LED is on and the <b>GREEN Link</b> LED is on and blinking.                                   | No fault detected. The device is on the network and the device is not active. |  |
| Note: On boot, within approximately three seconds, the AMBER<br>GREEN Link LED beginning to blink almost immediately. | Status LED and the GREEN Link LED come on with the                            |  |

| Board LED (DS1):        |  |
|-------------------------|--|
| LED Behavior            | Means  |
| On and solid GREEN      | Neither relays nor sensors are active  |
| Slow blinking GREEN     | Either the relay or the sensor is active for Door/Device 2                       |
| Fast blinking GREEN     | Either the relay or the sensor is active for Door/Device 1                       |
| On and solid <b>RED</b> | Either both relays, or a relay and a sensor are active:<br>• Relay 1 and Relay 2 |
|                         | Relay 1 and Sensor 2   |
|                         | Sensor 1 and Relay 2   |
|                         | Sensor 1 and Sensor 2  |



#### Figure 1-9. LEDs

## 1.6 Wiring the SIP Dual Relay Controller

#### 1.6.1 SIP Dual Relay Controller Wiring Diagram with External Power Source

This product provides an easier method of connecting standard door strikes as well as AC and higher voltage devices. See Figure 1-10 and Figure 1-11 for the wiring diagrams.



Figure 1-10. SIP Dual Relay Controller Wiring Diagram with External Power Source



# 1.6.2 Example Diagram Using PoE Power and One SIP Dual Relay Controller with the 011508 Remote Call Button

#### Figure 1-11. Diagram Using PoE Power and One SIP Dual Relay Controller with the 011508 Remote Call Button<sup>1</sup>



If you have questions about connecting door strikes or setting up the web configurable options, please contact our support department at the following website:

https://support.cyberdata.net/

<sup>1.</sup> This Diagram shows one button and one device control example. This controller supports a second set (button/device control). If a second button/device control is needed, use Button-2 and Strike-2 connections.

### 1.7 Terminal Block Wiring Connections

See Figure 1-12 and Table 1-2 for the terminal block wiring connections.





| Connections | Silkscreen Label | Description  |
|-------------|------------------|--|
| J2-PIN 1    | N1               | Door Strike 1: Neutral or common tie point. Allows the user to tie the power |
| J2-PIN 2    | N1               | source and door strike commons together internally to the box.               |
| J2-PIN 3    | NC1              | Door Strike 1: Normally closed relay contact                                 |
| J2-PIN 4    | NO1              | Door Strike 1: Normally opened relay contact                                 |
| J2-PIN 5    | COM1             | Door Strike 1: Relay common connection                                       |
| J2-PIN 6    | N2               | Door Strike 2: Neutral or common tie point. Allows the user to tie the power |
| J2-PIN 7    | N2               | source and door strike commons together internally to the box.               |
| J2-PIN 8    | NC2              | Door Strike 2: Normally closed relay contact                                 |
| J2-PIN 9    | NO2              | Door Strike 2: Normally opened relay contact                                 |
| J2-PIN 10   | COM2             | Door Strike 2: Relay common connection                                       |
| J8-PIN 1    | DOOR1-H          | Door 1 sense high side connection  |
| J8-PIN 2    | DOOR1-L          | Door 1 sense low side connection/Ground LED Return                           |
| J8-PIN 3    | BTN1-H           | Button 1 sense high side connection  |
| J8-PIN 4    | BTN1-L           | Button 1 sense low side connection/Ground LED Return                         |
| J8-PIN 5    | DOOR2-H          | Door 2 sense high side connection  |
| J8-PIN 6    | DOOR2-L          | Door 2 sense low side connection/Ground LED Return                           |
| J8-PIN 7    | BTN2-H           | Button 2 sense high side connection  |
| J8-PIN 8    | BTN2-L           | Button 2 sense low side connection/Ground LED Return                         |
| J8-PIN 9    | 12V(+)           | +12 V out at 500 mA  |
| J8-PIN 10   | 12V(-)           | Common connection for 12V output/Ground LED Return                           |
| J6-1        | LED1(+)          | Remote Button LED1(+)  |
| J6-2        | LED2(+)          | Remote Button LED2(+)  |
|             |                  |  |

#### Table 1-2. Terminal Block Wiring Connections

# 1.8 Jumper Definitions

See Table 1-2 for the jumper definitions.

#### Table 1-3. Jumper Definitions

| Jumper | Description   |
|--------|---|
| JP5    | Missing<br>Installed—Held in reset                                      |
| JP10   | Missing—Intrusion sensor enabled<br>Installed—Intrusion sensor disabled |

### 1.9 Reset to Factory Defaults

To reset the device to the original factory default settings, complete the following steps:

1. Apply power to the device by connecting a PoE network ethernet cable to J1.



Figure 1-13. Connect a PoE network ethernet cable to J1

Connect a PoE network ethernet cable to J1

2. While the device is powered, press and hold the RTFM button for three to five seconds.



Figure 1-14. Press and hold the RTFM button for three to five seconds

Press and hold the RTFM button for three to five seconds

The device will default to DHCP to obtain an IP address, or will use 192.168.1.23 if a DHCP server is not present.

| Parameter                    | Factory Default Setting |  |
|------------------------------|-------------------------|--|
| IP Addressing                | DHCP                    |  |
| IP Address <sup>a</sup>      | 192.168.1.23            |  |
| Web Access Username          | admin                   |  |
| Web Access Password          | admin                   |  |
| Subnet Mask <sup>a</sup>     | 255.255.255.0           |  |
| Default Gateway <sup>a</sup> | 192.168.1.1             |  |

a. Default if there is not a DHCP server present.

# 2 Configure the Device

# 2.1 Log In Page

- 1. Open your browser to the device IP address.
- **Note** If the network does not have access to a DHCP server, the device will default to an IP address of 192.168.1.23.
- Note Make sure that the PC is on the same IP network as the SIP Dual Relay Controller.
- **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:

#### https://www.cyberdata.net/pages/discovery

- **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. On the Log In Page (Figure 2-1), use the following default **Web Access Username** and **Web Access Password** to access the **Home Page** (Figure 2-2):

Web Access Username: admin

Web Access Password: admin

Figure 2-1. Log In Page



## 2.2 Home Page

The **Home** page provides device specific information such as Serial Number, Mac Address, and Firmware version. This page is designed as an initial landing page to provide general information on the status of the device.

| CyberD      | ompany  | Product: SIP Dual Relay Controller<br>Firmware: v22.0.1                      | Serial: 484000138<br>MAC: 00:20:F7:05:4A:DI   | Available Sto<br>E Device Statu                                  | orage: 1485MB<br>s: Idle   | Test Save Cancel  | Reboot Logout |
|-------------|---|--|---|--|--|---|---------------|
| *<br>*<br>• |   | Device Configuration   |   | Network Status   |  | SIP Registration  |               |
| 9 J 🗮 🕽     | Serial Number<br>Mac Address<br>Firmware Version<br>Partition 2<br>Partition 3<br>Booting Partition | 494000138<br>0020/f7:05/4ade<br>v22.0.1<br>v22.0.1<br>v22.0.1<br>partition 2 | IP Address Protocol<br>IP Address<br>Subnet Mask<br>Default Gateway<br>DNS Server 1<br>DNS Server 2 | DHCP<br>192.168.0.67<br>255.255.05<br>192.168.0.1<br>192.168.0.1 | SIP Mode:<br>Primary Server:<br>Backup Server 1:<br>Backup Server 2: | Enabled<br>Not registered<br>Not registered<br>Not registered |               |
| · 💻         |   | Sensor Status  | Syst  | em Configuration   |  |   |               |
| 2           | Relay 1 Status:<br>Relay 2 Status:  | Locked<br>Locked   | SIP Mode:<br>Event Mode:  | Enabled<br>Disabled  |  |   |               |
|             | Sensor 1 Status:<br>Sensor 2 Status:  | Closed<br>Closed   |   |  |  |   |               |
|             | Intrusion Status:   | Inactive   |   |  |  |   |               |
|             |   |  |   |  |  |   |               |
|             |   |  |   |  |  |   |               |
|             |   |  |   |  |  |   |               |
|             |   |  |   |  |  |   |               |
|             |   |  |   |  |  |   |               |
|             |   |  |   |  |  |   |               |
|             |   |  | CyberI  | Data • Support   |  |   |               |

#### Figure 2-2. Home Page

## 2.3 Device

The **Device** page allows for adjustment of settings that pertain to the physical device such as relay settings and time zone.

| CyberData<br>The IP Endpoint Company | 1  | Product: SIP Dual Relay Controller<br>Firmware: v22.0.1  | Serial: 4840001<br>MAC: 00:20:F7:  | 138<br>05:4A:DE     | Available Storage<br>Device Status: Idl | e 1485MB   | Test Save Cancel Reboot Logout                 |
|--------------------------------------|--|--|--|---------------------|---|--|--|
| CyberData                            | DTMF<br>0<br>1<br>2<br>3<br>4<br>4<br>5<br>6<br>6<br>7<br>7<br>8<br>9<br>9<br>#<br>• | Action Action Action Announce current status of each relay Activate relay 1 Deactivate relay 1 Deactivate relay 2 Dulse relay 2 Deactivate relay 2 Deactivate relay 2 Dulse relay 2 Activate both relays Activate both relays Automatic mode for exit Play main menu | Serial: 484000<br>MAC: 00:20:F7<br>D<br>Require Security Code:<br>Security Code:<br>Relay 1 Pulse Duration:<br>Relay 2 Pulse Duration:<br>Relay 2 Automatic Duration:<br>Relay 2 Automatic Duration: | 138<br>05:4A:DE     | Available Storage<br>Device Status: Idl | e Server(s):<br>Timezone:<br>rent Time:<br>ice Name: | Test     Save     Cancel     Reboot     Logout |
|                                      |  |  |  |                     |   |  |  |
|                                      |  |  |  | CyberData • Support |   |  |  |

#### Figure 2-3. Device Configuration Page

#### Table 2-1. Automatic mode for entry and exit

| Setting                  | Description  |
|--------------------------|--|
| Automatic mode for entry | Automatic mode (also known as an airlock) activates relay 1 until outdoor 1 is opened<br>and closed, at which point relay 2 activates. If door 1 is not open within the time<br>configured on the <b>Sensor</b> page, automatic mode is cancelled. |
| Automatic mode for exit  | Automatic mode for exit initially activates relay 2.   |

## 2.4 Access Log

**Note** The **Access log** is exported in CSV format, and is compatible with many spreadsheet programs, including Microsoft Excel and Google Sheets.

| Figure | 2-4. | Access | Log | Page |
|--------|------|--------|-----|------|
|--------|------|--------|-----|------|



### 2.5 Network

The **Network** page provides access to network-related settings. Assigning the device a static IP address or VLAN is done on this page.

| CyberData<br>The IP Endpoint Company | Product: SIP Dual Relay Controller<br>Firmware: v22.0.1  | Serial: 484000138<br>MAC: 00:20:F7:05:4A:DE  | Available Storage: 1485MB<br>Device Status: Idle | Test Save Cancel Reboot Logout                 |
|--------------------------------------|--|--|--|--|
| CyberData<br>Tre V Indepose Compary  | Product: SIP Dual Relay Controller<br>Firmware: v22.0.1<br>DHCP<br>192.168.0.67<br>255.255.255.0<br>192.168.0.1<br>192.168.0.1 | Serial: 484000138<br>MAC: 00:20:F7:05:AA:DE<br>Addressing Mode: DHCP<br>Hostname: SepDevi<br>IP Address: 10.10.11<br>Subnet Mask 255.00<br>Default Gateway: 100.01<br>DNS Server 1: 100.01<br>DNS Server 2: 100.01<br>DHCP Timeout: 60 | Available Storage: 1485MB<br>Device Statu: Idle  | Test     Save     Cancel     Reboot     Logoot |
|                                      |  |  |  |  |
|                                      |  | Cyberbata • Supp   |  |  |

Figure 2-5. Network Page

### 2.6 SIP (Session Initiation Protocol)

This page sets the options for phone calls. Configure up to 3 servers, with 2 acting as backup, and a server for the nightringer. The nightringer is a second sip extension that only rings, never connects to a call. Many customers use the nightringer in a Hunt/Ring Group.

Use this page to configure the options for security, transport, codec, and others.

**Note** For specific server configurations, go to the following website address:

https://www.cyberdata.net/pages/connecting-to-ip-pbx-servers

| Cyber<br>The IP Endpoi | Product: SIP Dual Relay Controller<br>int Company Firmware: v22.0.1   | Serial: 484000138<br>MAC: 00:20:F7:05:4A:DE  | Available Stora<br>Device Status:  | age: 1485MB<br>Idle  | Test | t Save C | ancel Reboot | Logout |
|------------------------|---|--|--|--|------|----------|--------------|--------|
|                        | SIP Operation:<br>SIP Registration:<br>Remote SIP Port:<br>Local SIP Port:<br>Local SIP Port:<br>SIP Transport Protoco<br>TLS Version:<br>Verify Server Certificat<br>Outbound Proxy:<br>Outbound Proxy:<br>Outbound Proxy:<br>Outbound Proxy:<br>Outbound Proxy:<br>Clisco SRST:<br>Disable rport Discover<br>Keep Alive Timeout:<br>Terminate call after de<br>Audio Codec:<br>RTP Port (even):<br>Asymmetric RTP:<br>Jitter Buffer:<br>RTP Encryption (SRTP) | SIP Settings<br>ENABLED V<br>ENABLED V<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060<br>5060 | Primary SIP Server Status:<br>Primary SIP Server:<br>Primary SIP Ver ID:<br>Primary SIP Auth ID:<br>Primary SIP Auth ID:<br>Primary SIP Auth Password:<br>Registration Interval:<br>Backup SIP Server 1:<br>Backup SIP Server 1:<br>Backup SIP Auth ID:<br>Backup SIP Auth ID:<br>Backup SIP Server 2:<br>Backup SIP Auth ID:<br>Backup SIP Auth ID:<br>Backup SIP Auth ID:<br>Backup SIP Auth Password:<br>Registration Interval: | Server Settings Not registered 10.0.253 199 199 360 seconds Not registered Host or IP address Backup SIP Auth ID Backup SIP Aut |      |          |              |        |
|                        |   | CyberData  | - Support  |  |      |          |              |        |

#### Figure 2-6. SIP Page

### 2.7 SSL

The **SSL** page allows for the adjustment of certificates used by the device. The certificates used for the web server, SIP Client, and Autoprovisioning can be changed here. It is also possible to add additional CA certificates on this page. CA Certificates allow the device to authenticate servers that it contacts.



| CyberData<br>The IP Endpoint Company | Product: SIP Dual Relay Controller<br>Firmware: v22.0.1  | Serial: 484000138<br>MAC: 00:20:F7:05:4A:DE  | Available Storage: 1485MB<br>Device Status: Idle | Test Save C  | Cancel Reboot Logout |
|--------------------------------------|--|--|--|--|----------------------|
| *                                    | Web Server Certificate   | SIP Client Certificate   |  | Autoprovisioning Client Certifica  | ate                  |
|                                      | subject:<br>contryllues = US<br>titstdryfrovincelares = California<br>inclusive = Nonterry<br>organizationnes = Cyberdata<br>comovince = Cyberdata | subjects = US<br>contrylase = US<br>locality/lase = Cali<br>locality/lase = Cali<br>locality/lase = Cali<br>locality/lase = Cali<br>comotowas = Cali<br>comotowas = California<br>comotowas = California<br>comoto | fornia<br>any<br>ndsta<br>FYRSIsade              | subject<br>court visue = U5<br>california = California<br>locality/sue = Notorry<br>organization/sue = Cyberdsa<br>comorbane = Cyberdsa<br>comor | 6                    |
|                                      |  | List of Trusted CAs  |  |  |                      |
|                                      |  | Upload CA Certificate: Choose Files No file chosen   | Import CA Certificate                            |  |                      |
|                                      |  | Download CyberData CA Generate Cyberdata CSR F   | temove All Restore Defaults                      |  |                      |
|                                      | 1 CyberData_CA.pem   |  | Info   | Remove   |                      |
|                                      | 2 DigiCert_Assured_ID_Root_CA.crt  |  | Info   | Remove   |                      |
|                                      | 3 DigiCert_Assured_ID_Root_G2.crt  |  | Info   | Remove   |                      |
|                                      | 4 DigiCert_Assured_ID_Root_G3.crt  |  | Info   | Remove   |                      |
|                                      | 5 DigiCert_Global_Root_CA.crt  |  | Info   | Remove   |                      |
|                                      | 6 DigiCert_Global_Root_G2.crt  |  | Info   | Remove   |                      |
|                                      | 7 DigiCert_Global_Root_G3.crt  |  | Info   | Remove   |                      |
|                                      | 8 DioiCert High Assurance EV Root CA.cr  | CyberData • Support  | Info   | Remove   |                      |

| CyberData<br>The IP Endpoint Company | Product: SIP Dual Relay Controller<br>Firmware: v22.0.1 | Serial: 484000138<br>MAC: 00:20:F7:05:4A:DE | Available Storage: 1485MB<br>Device Status: Idle |        |
|--------------------------------------|---|---|--|--------|
| *                                    | 8 DigiCert_High_Assurance_EV_Root_C                     | A.crt                                       | Info   | Remove |
| 08                                   | 9 DigiCert_Trusted_Root_G4.crt                          |   | Info   | Remove |
| 3                                    | 10 GeoTrust_Primary_Certification_Auth                  | ority.crt                                   | Info   | Remove |
|                                      | 11 GeoTrust_Primary_Certification_Auth                  | orityG2.crt                                 | Info   | Remove |
|                                      | 12 GeoTrust_Primary_Certification_Auth                  | orityG3.crt                                 | Info   | Remove |
|                                      | 13 GeoTrust_Universal_CA.crt                            |   | Info   | Remove |
| <b>*</b>                             | 14 GeoTrust_Universal_CA_2.crt                          |   | Info   | Remove |
| C<br>1                               | 15 Go_Daddy_Class_2_CA.pem                              |   | Info   | Remove |
| <b>A</b>                             | 16 Go_Daddy_Root_Certificate_Authorit                   | yG2.pem                                     | Info   | Remove |
|                                      | 17 VeriSign_Class_3_Public_Primary_Cer                  | tification_AuthorityG4.crt                  | Info   | Remove |
|                                      | 18 VeriSign_Class_3_Public_Primary_Cer                  | tification_AuthorityG5.crt                  | Info   | Remove |
|                                      | 19 VeriSign_Universal_Root_Certification                | _Authority.crt                              | Info   | Remove |
|                                      | 20 Verisign_Class_1_Public_Primary_Cert                 | lification_Authority.crt                    | Info   | Remove |
|                                      | 21 Verisign_Class_1_Public_Primary_Cert                 | tification_AuthorityG3.crt                  | Info   | Remove |
|                                      | 22 Verisign_Class_2_Public_Primary_Cert                 | ification_AuthorityG2.crt                   | Info   | Remove |
|                                      | 23 Verisign_Class_2_Public_Primary_Cert                 | tification_AuthorityG3.crt                  | Info   | Remove |
|                                      | 24 Verisign_Class_3_Public_Primary_Cert                 | tification_Authority.crt                    | Info   | Remove |
|                                      | 25 Verisign_Class_3_Public_Primary_Cert                 | ification_AuthorityG3.crt                   | Info   | Remove |
|                                      | 26 thawte_Primary_Root_CA.crt                           |   | Info   | Remove |
|                                      | 27 thawte_Primary_Root_CAG2.crt                         |   | Info   | Remove |
|                                      | 28 thawte_Primary_Root_CAG3.crt                         |   | Info   | Remove |
|                                      |   |   |  |        |

#### Figure 2-8. SSL Page (2 of 2)

CyberData • Support

# 2.8 Sensor

| CyberData<br>The IP Endpoint Company   | Product: SIP Dual Relay Controller<br>Firmware: v22.0.1   | Serial: 484000138<br>MAC: 00:20:F7:05:4A:DE   | Available Storage: 1485MB<br>Device Status: Idle   | Test Save Cancel Reboot Logout               |
|--|---|---|--|--|
|  | Sensor 1 Settings   | Sensor 2 S  | ettings  | Intrusion Sensor Settings                    |
| Sensor 1 Statu<br>Open Timeout<br>Sensor Type:<br>Call Extension<br>Dial Out Exten<br>Dial Out D:<br>Message Playt<br>Multicast Aud<br>Multicast Aud<br>Multicast Thu<br>Message Playt<br>Multicast Thu<br>Multicast Thu | s: Closed<br>12 seconds<br>Normally Open ▼<br>Disabled ▼<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204<br>id204 | Sensor 2 Status:         Closer           Open Timeout:         12           Sensor Type:         Norr           Call Extension:         Dial           Dial Out Extension:         204           Dial Out Extension:         204           Message Playbacks:         12           Multicast Address:         223.1           Multicast Port:         8888           Multicast Port:         8888           Multicast Port:         255           Message Playbacks:         12           Multicast Port:         825           Message Playbacks:         12           Multicast Port:         8088           Multicast Port:         8088           Multicast Polycom Paging:         DISA           Multicast Polycom Channel:         11 | Intrusion Status:<br>Call Extension:<br>Dial Out Extension:<br>Dial Out D:<br>Message Playbacks: | Inactive<br>Disabled v<br>204<br>id204<br>12 |
|  | Button 1 Settings   | Button 2 S  | ettings  |  |
| Button Lit:<br>Button Mode:<br>Pulse Duration<br>Dial Out Exten<br>Dial Out Exten<br>Dial Out Exten  | Enabled<br>Relay 1<br>10 seconds<br>id204<br>adks: 12   | Button Lit:     Enable       Button Mode:     Relay       Pulse Duration:     10       Dial Out Extension:     204       Dial Out Extension:     120       Message Playbacks:     12  | ed v<br>2 v<br>seconds   |  |

#### Figure 2-9. Sensor Page

### 2.9 Audiofiles

The **Audiofiles** page is used to add custom audio to the board. User uploaded audio will take precedence over the audio files shipped with the device.

| C)<br>The I | /berData<br>IP Endpoint Company | Product: SIP Dual Relay Controller<br>Firmware: v22.0.1 | Serial: 484000138<br>MAC: 00:20:F7:05:4A:DE | Availa<br>Device | ble Storage: 1485MB<br>e Status: Idle | Test Save | Cancel | Reboot | Logout | Í |
|-------------|---------------------------------|---|---|------------------|---------------------------------------|-----------|--------|--------|--------|---|
| *           |                                 |   |   |                  |                                       |           |        |        |        | 1 |
| B           |                                 |   | Audio                                       | Files            |                                       |           |        |        |        |   |
| e<br>C      |                                 | Intrusion sensor triggered:                             | Currently set to:                           | default          | Choose File No file chosen            | Save      | Delete |        |        |   |
| *<br>U      |                                 | Close both doors 1 and 2, in order to run automa        | tic mode: Currently set to:                 | default          | Choose File No file chosen            | Save      | Delete |        |        |   |
|             |                                 | Button 1 was triggered:                                 | Currently set to:                           | default          | Choose File No file chosen            | Save      | Delete |        |        | 1 |
| *           |                                 | Button 2 was triggered:                                 | Currently set to:                           | default          | Choose File No file chosen            | Save      | Delete |        |        |   |
| C<br>1      |                                 | Door 1 is already locked:                               | Currently set to:                           | default          | Choose File No file chosen            | Save      | Delete |        |        | 1 |
| 4           |                                 | Door 1 is already unlocked:                             | Currently set to:                           | default          | Choose File No file chosen            | Save      | Delete |        |        | 1 |
|             |                                 | Close door 1 in order to pulse the door:                | Currently set to:                           | default          | Choose File No file chosen            | Save      | Delete |        |        | 1 |
|             |                                 | Door 2 is already locked:                               | Currently set to:                           | default          | Choose File No file chosen            | Save      | Delete |        |        | l |
|             |                                 | Door 2 is already unlocked:                             | Currently set to:                           | default          | Choose File No file chosen            | Save      | Delete |        |        |   |
|             |                                 | Close door 2 in order to pulse the door:                | Currently set to:                           | default          | Choose File No file chosen            | Save      | Delete |        |        |   |
|             |                                 | Sensor 1 was triggered:                                 | Currently set to:                           | default          | Choose File No file chosen            | Save      | Delete |        |        |   |
|             |                                 | Sensor 2 was triggered:                                 | Currently set to:                           | default          | Choose File No file chosen            | Save      | Delete |        |        |   |
|             |                                 | Disabling automatic mode for entry:                     | Currently set to:                           | default          | Choose File No file chosen            | Save      | Delete |        |        |   |
|             |                                 | Disabling automatic mode for exit:                      | Currently set to:                           | default          | Choose File No file chosen            | Save      | Delete |        |        |   |
|             |                                 | Enabling automatic mode for entry:                      | Currently set to:                           | default          | Choose File No file chosen            | Save      | Delete |        |        |   |
|             |                                 | Enabling automatic mode for exit:                       | Currently set to:                           | default          | Choose File No file chosen            | Save      | Delete | . ]    |        |   |

#### Figure 2-10. Audiofiles Page (1 of 2)

#### Figure 2-11. Audiofiles Page (2 of 2)

|  | Menu Auc          | lio Files |                            |             |
|--|-------------------|-----------|----------------------------|-------------|
| Enter the security code:                     | Currently set to: | default   | Choose File No file chosen | Save Delete |
| Invalid code:                                | Currently set to: | default   | Choose File No file chosen | Save Delete |
| Press 0 to announce the status of each door: | Currently set to: | default   | Choose File No file chosen | Save Delete |
| Press 1 to unlock door 1:                    | Currently set to: | default   | Choose File No file chosen | Save Delete |
| Press 2 to lock door 1:                      | Currently set to: | default   | Choose File No file chosen | Save Delete |
| Press 3 to pulse door 1:                     | Currently set to: | default   | Choose File No file chosen | Save Delete |
| Press 4 to unlock door 2:                    | Currently set to: | default   | Choose File No file chosen | Save Delete |
| Press 5 to lock door 2:                      | Currently set to: | default   | Choose File No file chosen | Save Delete |
| Press 6 to pulse door 2:                     | Currently set to: | default   | Choose File No file chosen | Save Delete |
| Press 7 to unlock both doors 1 and 2:        | Currently set to: | default   | Choose File No file chosen | Save Delete |
| Press 8 to lock both doors 1 and 2:          | Currently set to: | default   | Choose File No file chosen | Save Delete |
| Press 9 to enable automatic mode for entry:  | Currently set to: | default   | Choose File No file chosen | Save Delete |
| Press # to enable automatic mode for exit:   | Currently set to: | default   | Choose File No file chosen | Save Delete |
| Press star to repeat main menu:              | Currently set to: | default   | Choose File No file chosen | Save Delete |
| Press star to play main menu:                | Currently set to: | default   | Choose File No file chosen | Save Delete |

### 2.10 Events

The **Events** page specifies a remote server that can be used to receive HTTP POST events when actions take place on the device.

| CyberData<br>The IP Endpoint Compar | Product: SIP Dual Relay Controller<br>Firmware: v22.0.1               | Serial: 484000138<br>MAC: 00:20:F7:05:4A:DE              | Available Stora<br>Device Status:  | nge: 1485MB<br>Idle  | Test Save Cancel Reboot Logout |
|-------------------------------------|---|--|--|--|--------------------------------|
| *<br>C:                             |   | Event Server   |  | Events   |                                |
| © U<br>■ U<br>■<br>**<br>**         | Event Generation:<br>Server IP Address:<br>Server DRL:<br>Server URL: | DisABLED       10.0.250       8080       xmlparse_engine | Application Started Events:<br>Reboot Events:<br>Heartbeat Events:<br>Security Events:<br>Call Started Events:<br>Call Terminated Events:<br>Relay 1 Activated Events:<br>Relay 2 Activated Events:<br>Relay 2 Ceactivated Events:<br>Button 1 Events:<br>Button 2 Events:<br>Sensor 1 Opened Events:<br>Sensor 1 Opened Events:<br>Sensor 2 Opened Events:<br>Sensor 2 Closed Events: | DISABLED V<br>DISABLED V |                                |
|                                     |   | CyberData •  | Support  |  |                                |

Figure 2-12. Events Page

#### 2.10.1 Example Packets for Events

The server and port are used to point to the listening server and the 'Remote Event Server URL' is the destination URL (typically the script running on the remote server that's used to parse and process the POST events).

**Note** The XML is URL-encoded before transmission so the following examples are not completely accurate.

Here are example packets for every event:

```
POST xmlparse engine HTTP/1.1
Host: 10.0.3.79
User-Agent: CyberData/1.0.0
Content-Length: 197
Content-Type: application/x-www-form-urlencoded
<?xml version="1.0" encoding="ISO-8859-1"?>
<cyberdata NAME='CyberData VoIP Device' MAC='0020f70015b6'>
<event>APPLICATION STARTED</event>
</cyberdata>
POST xmlparse engine HTTP/1.1
Host: 10.0.3.79
User-Agent: CyberData/1.0.0
Content-Length: 199
Content-Type: application/x-www-form-urlencoded
<?xml version="1.0" encoding="ISO-8859-1"?>
<cyberdata NAME='CyberData VoIP Device' MAC='0020f70015b6'>
<event>HEARTBEAT</event>
</cyberdata>
POST xmlparse engine HTTP/1.1
Host: 10.0.3.79
User-Agent: CyberData/1.0.0
Content-Length: 196
Content-Type: application/x-www-form-urlencoded
<?xml version="1.0" encoding="ISO-8859-1"?>
<cyberdata NAME='CyberData VoIP Device' MAC='0020f70015b6'>
<event>BUTTON</event>
</cyberdata>
POST xmlparse engine HTTP/1.1
Host: 10.0.3.79
User-Agent: CyberData/1.0.0
Content-Length: 201
Content-Type: application/x-www-form-urlencoded
<?xml version="1.0" encoding="ISO-8859-1"?>
<cyberdata NAME='CyberData VoIP Device' MAC='0020f70015b6'>
<event>CALL ACTIVE</event>
</cyberdata>
```

```
POST xmlparse engine HTTP/1.1
Host: 10.0.3.79
User-Agent: CyberData/1.0.0
Content-Length: 205
Content-Type: application/x-www-form-urlencoded
<?xml version="1.0" encoding="ISO-8859-1"?>
<cyberdata NAME='CyberData VoIP Device' MAC='0020f70015b6'>
<event>CALL TERMINATED</event>
</cyberdata>
POST xmlparse engine HTTP/1.1
Host: 10.0.3.79
User-Agent: CyberData/1.0.0
Content-Length: 197
Content-Type: application/x-www-form-urlencoded
<?xml version="1.0" encoding="ISO-8859-1"?>
<cyberdata NAME='CyberData VoIP Device' MAC='0020f70015b6'>
<event>RINGING</event>
</cyberdata>
POST xmlparse engine HTTP/1.1
Host: 10.0.3.79
User-Agent: CyberData/1.0.0
Content-Length: 234
Content-Type: application/x-www-form-urlencoded
<?xml version="1.0" encoding="ISO-8859-1"?>
<cyberdata NAME='CyberData VoIP Device' MAC='0020f70015b6'>
<event>MULTICAST START
<index>8</index>
</cyberdata>
POST xmlparse engine HTTP/1.1
Host: 10.0.3.79
User-Agent: CyberData/1.0.0
Content-Length: 233
Content-Type: application/x-www-form-urlencoded
<?xml version="1.0" encoding="ISO-8859-1"?>
<cyberdata NAME='CyberData VoIP Device' MAC='0020f70015b6'>
<event>MULTICAST STOP</event>
<index>8</index>
</cyberdata>
POST xmlparse engine HTTP/1.1
Host: 10.0.3.79
User-Agent: CyberData/1.0.0
Content-Length: 234
Content-Type: application/x-www-form-urlencoded
<?xml version="1.0" encoding="ISO-8859-1"?>
<cyberdata NAME='CyberData VoIP Device' MAC='0020f70015b6'>
<event>RELAY ACTIVATED</event>
</cyberdata>
```

```
POST xmlparse_engine HTTP/1.1
Host: 10.0.3.79
User-Agent: CyberData/1.0.0
Content-Length: 234
Content-Type: application/x-www-form-urlencoded
<?xml version="1.0" encoding="ISO-8859-1"?>
<cyberdata NAME='CyberData VoIP Device' MAC='0020f70015b6'>
<event>RELAY_DEACTIVATED</event>
</cyberdata>
```

```
POST xmlparse_engine HTTP/1.1
Host: 10.0.3.79
User-Agent: CyberData/1.0.0
Content-Length: 234
Content-Type: application/x-www-form-urlencoded
<?xml version="1.0" encoding="ISO-8859-1"?>
<cyberdata NAME='CyberData VoIP Device' MAC='0020f70015b6'>
<event>NIGHTRINGING</event>
</cyberdata>
```

### 2.11 Terminus

Terminus Cloud Control<sup>™</sup> allows users to configure, monitor, and manage notification functions for CyberData's extensive VoIP product line, all from a single, easy-to-use platform. To learn more about Terminus Cloud Control<sup>™</sup>, go to <u>https://www.cyberdata.net/pages/terminus</u>.

The **Terminus** page allows for configuration of settings related to Terminus Cloud Control<sup>™</sup>.

Figure 2-13. Terminus Page

| CyberData<br>The IP Endpoint Company | Product: SIP Dual Relay Controller<br>Firmware: v22.0.1 | Serial: 484000138<br>MAC: 00:20:F7:05:4A:DE                            | Available Storage: 1485MB<br>Device Status: Idle | Test Save Cancel Reboot Logout |
|--------------------------------------|---|--|--|--------------------------------|
|                                      |   | Discovery  | / Setting  |                                |
|                                      |   | Multicast Address: 239.<br>Time to Live: 255<br>Discovery Interval: 60 | 27.32.4 seconds                                  |                                |
|                                      |   | Lockdown<br>Lock Down Mode: Disal                                      | bled   |                                |
|                                      |   | Relay 2: No  | Action V   |                                |
|                                      |   |  |  |                                |
|                                      |   |  |  |                                |
|                                      |   |  |  |                                |
|                                      |   |  |  |                                |
|                                      |   |  |  |                                |
|                                      |   | CyberData • Si   | upport   |                                |

### 2.12 Autoprovisioning

Enabling autoprovisioning allows the device to download provisioning files from a server. It defaults to using DHCP, with options configured in dhcpd.conf on the DHCP server. The file name is <mac address>.xml and if not found, 00000cd.xml.

If a server is named, DHCP is bypassed, and the device will look for a file on the named server.

If a file is named, it will be downloaded instead of <mac address>.xml.

If a server is named, **Use tftp** searches for the file on a tftp server instead of http. If the server is secured (with a password), use **Verify Server Certificate** (username/password) to access it. When using DHCP, these options are configured in dhcpd.conf.

Autoprov autoupdate, Autoprov at time, and Autoprov when idle options are available with either DHCP or a named server.

The template is an xml file with all options set to default values.

#### Figure 2-14. Autoprovisioning Page

| CyberData<br>The IP Endpoint Company   | Product: SIP Dual Relay Controller<br>Firmware: v22.0.1  | Serial: 484000138<br>MAC: 00:20:F7:05:4A:DE | Available Storage: 1485MB<br>Device Status: Idle   | Test Save Cancel Reboot Logout |
|--|--|---|--|--------------------------------|
| Image: A constraint of the second | Autoprov:<br>Autoprov Server:<br>Autoprov Filename:<br>Use tifp:<br>Verity Server Certificate:<br>Username:<br>Password:<br>Autoprov autoupdate:<br>Autoprov autoupdate:<br>Autoprov when idle:<br>D | toprov Settings                             | Autoprov Log         2025-05-25 11:05:16 Autoprovisioning on bot         2025-05-25 11:05:16 Autoprovisioning on bot         2025-05-25 11:05:16 Autoprovisioning on bot         2025-05-25 11:05:16 (autoprovisioning on bot)         2025-05-25 11:05:16 (autoprovisioning on bot) |                                |
|  |  | OvherData •                                 | Support  |                                |

### 2.13 Firmware

**Note** CyberData strongly recommends that you do not upgrade the firmware when the device is likely to be in use.

To upgrade the firmware of your device:

- 1. Download the latest firmware from the following CyberData web site, and locate your device: <u>https://www.cyberdata.net/collections/sip</u>
- 2. Unzip the firmware version file. This file may contain the following:
- Firmware file
- Release notes
- Autoprovisioning template



#### Figure 2-15. Firmware Page

| CyberData Product:<br>The IP Endpoint Company Firmware | : SIP Dual Relay Controller<br>e: v22.0.1 | Serial: 484000138<br>MAC: 00:20:F7:05:4A:DE   | Available Storage: 1485MB<br>Device Status: Idle | Test | Save Cancel Reboot Logout |
|--|---|---|--|------|---------------------------|
|  |   | Firmware Settings<br>Firmware Version: v220.1<br>Choose File No file chosen<br>Upload Progres | 55   |      |                           |
|  |   | Upload Post Proces  | ssing  |      |                           |
|  |   | Status Message<br>Socket connected  | 25   |      |                           |
|  |   | CyberData • Support   |  |      |                           |

### 2.14 Admin

The administrator uses the Users List to create new accounts, assigning user names and passwords, and granting access to specific web pages.

| CyberData<br>The IP Endpoint Company                | Product: SIP Dual Relay Controller<br>Firmware: v22.0.1 | Serial: 484000138<br>MAC: 00:20:F7:05:4A:DE   | Available Storage: 1485MB<br>Device Status: Idle  | Test Save Cancel Reboot Logout   |
|---|---|---|---|--|
| Confirm Password:                                   | Admin Settings  | Logging S<br>Debug Level: 4<br>Log Network Traffic: OFF<br>Get Application Log<br>Get Network Log | ettings<br>→ Partition 2<br>Partition 3<br>Partition 2<br>Partition 3<br>Partition 3<br>Partit | Configuration Settings<br>v22.0.1<br>v22.0.1<br>partition 2<br>store Default Certificates<br>Import Config Export Config |
| Storage:<br>Boot Count:<br>Reboot Count:<br>Uptime: | 1485MB<br>4<br>2<br>up 17 minutes                       | Get All Logs Retrieving the log files may take  | Remove All Logs some time due to their size.  | Boot From Other Partition  |
| Username  | Home Device Network Sil                                 | Add New User Delete All Uers SSL Access Log   | Import Users Export Users<br>Sensor Audiofiles Events Termin  | us Autoprov Firmware Admin   |
|   |   | Log Vie   | wer   |  |
|   |   | Service: Application V Entries to get 22  | Sort: Oldest ♥ View Log   |  |
|   |   | CyberData • Suj   | pport   |  |

#### Figure 2-16. Admin Page

### 2.15 Command Interface

Some functions on the device can be activated using simple POST commands to the web interface. The examples in Table 2-2 use the free unix utility, **wget commands**. However, any program that can send HTTP POST commands to the device should work.

### 2.15.1 Command Interface Post Commands

These commands require an authenticated session (a valid username and password to work).

| Device Action        | HTTP Post Command <sup>a</sup>   |
|----------------------|--|
| Reboot               | wgetuser adminpassword adminauth-no-challengequiet -<br>O /dev/nullno-check-certificate "https://10.10.1.154/command"<br>post-data "request=reboot"              |
| Swap boot partitions | wgetuser adminpassword adminauth-no-challengequiet -<br>O /dev/nullno-check-certificate "https://10.10.1.154/command"<br>post-data "request=swap_boot_partition" |

#### Table 2-2. Command Interface Post Commands

a. Type and enter all of each http POST command on one line.

# Appendix A: Troubleshooting/Technical Support

### A.1 Contact Information

Contact CyberData Corporation 3 Justin Court Monterey, CA 93940 US

3 Justin Court Monterey, CA 93940 USA <u>www.cyberdata.net</u> Phone: 831-373-2601 Fax: 831-373-4193

Sales Sales 831-373-2601, Extension 334

TechnicalThe fastest way to get technical support for your VoIP product is to submit a VoIP TechnicalSupportSupport form at the following website:

#### https://support.cyberdata.net/

The Support Form initiates a ticket which CyberData uses for tracking customer requests. Most importantly, the Support Form tells us which PBX system and software version that you are using, the make and model of the switch, and other important information. This information is essential for troubleshooting. Please also include as much detail as possible in the **Comments** section of the Support Form.

Phone: (831) 373-2601, Extension 333

### A.2 Warranty and RMA Information

The most recent warranty and RMA information is available at the following website address:

#### https://support.cyberdata.net/

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