

## CAS 2700

### Quick Start Guide

This document contains information and instructions on what to do when connecting to a CAS 2700 Gateway for the first time.

#### 1. Determining the IP Address

Before connecting to the Gateway, you will need to determine the IP Address of the Gateway. By default, the Gateway is assigned a Static IP Address of **192.168.1.113** when it is shipped.

To find the IP Address, look on the back of the Gateway. There should be a business card attached to the back of the Gateway that has the IP Address and Reference #. See below for an example



Image 1.1 – Business Card attached to back of CAS Gateway

Take note of the Ref# as this will be used by the support team to pull up additional information about the project.

The IP Address that is written on the business card should be the Static IP Address assigned to the Gateway.

#### 2. Connecting to the Gateway

To Change the IP Address of the gateway, you will use a PC and connect to the Gateway using an Ethernet Cable. Either connect to the gateway directly to the computer using a cross-over Ethernet cable, or use a hub or a switch.

To detect the gateway, the computer must be on the same subnet as the gateway.

For example, if the gateway is assigned the following IP Address:

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■ **Tel:** 1866 383 1657 ■ **Fax:** (416) 915-4024 ■

**Email:** [dfs@chipkin.com](mailto:dfs@chipkin.com) **Website:** [www.chipkin.com](http://www.chipkin.com)

IP Address - 192.168.1.113  
Netmask - 255.255.255.0  
Default Gateway - 192.168.1.1

Set the computer to something similar:

IP Address - 192.168.1.100  
Netmask - 255.255.255.0  
Default Gateway - 192.168.1.1

## 2.1 Disable Other Networks

To use the tool to change the IP Address of the gateway, the computer must have only the Local Area Connection network enabled. All other networks must be disabled during the setup.

To disable all other networks, follow the instructions below.

1. Open the “**Control Panel**” and select the “**Network and Sharing Center**”.

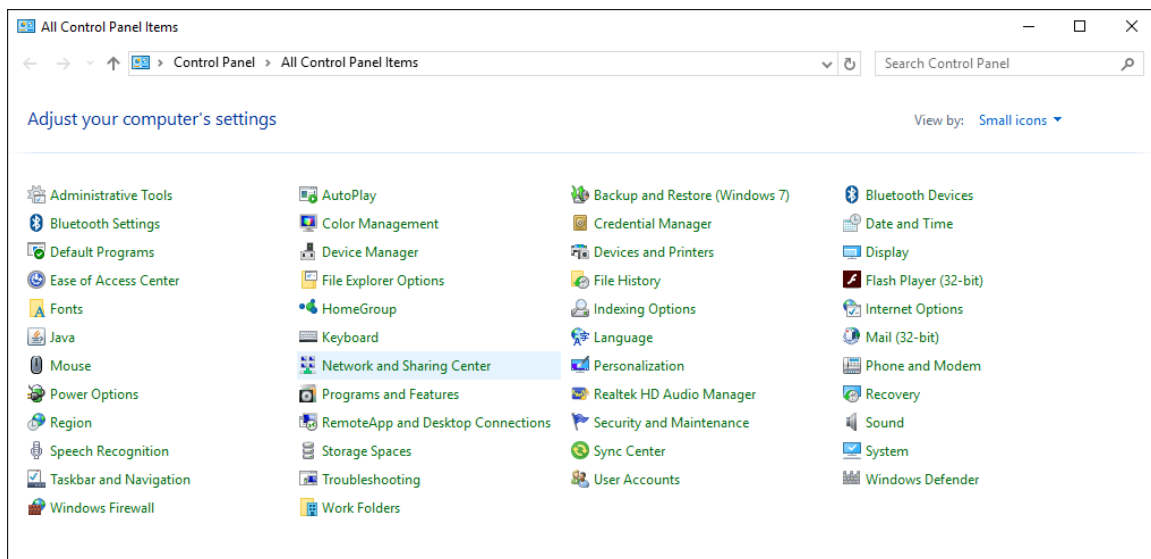


Image 2.1 – Control Panel, Network and Sharing Center

2. Click on the “Change adapter settings”

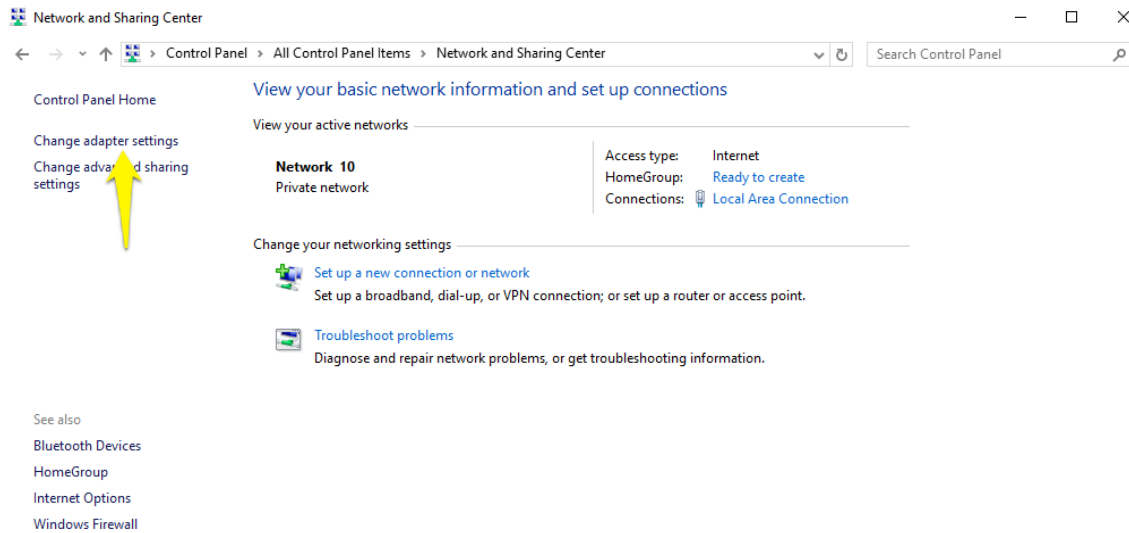


Image 2.2 – Change adapter settings

3. Verify that all adapters other than Local Area Connection are disabled. **Note:** If using a laptop, make sure that the Wifi adapter is also disabled and not just turned off.

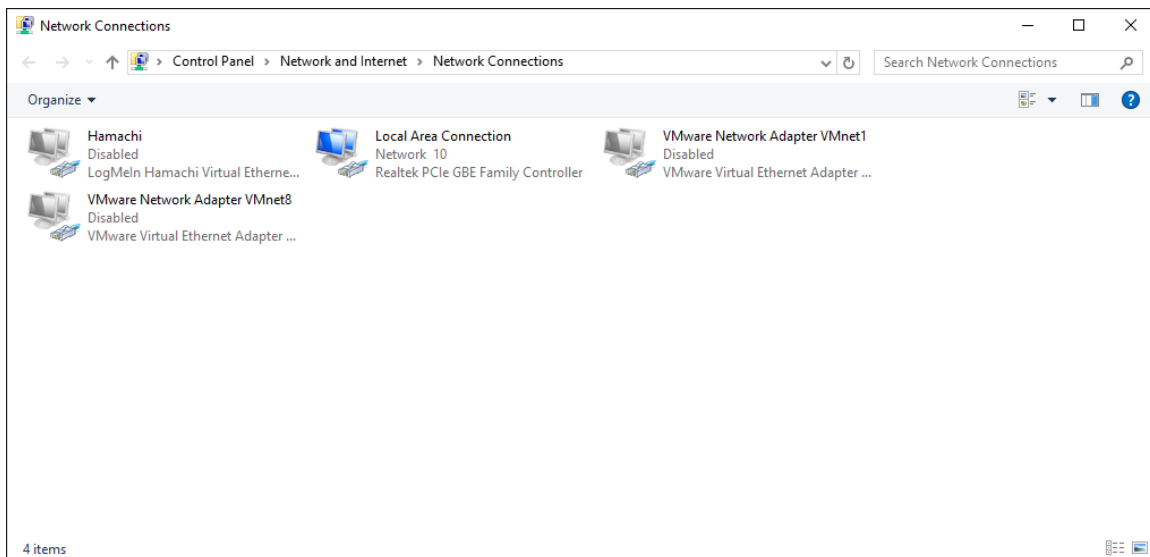


Image 2.3 – All networks but Local Area Connection are disabled

4. To disable the adapter, right-click the adapter and select **“Disable”** from the pop-up menu.

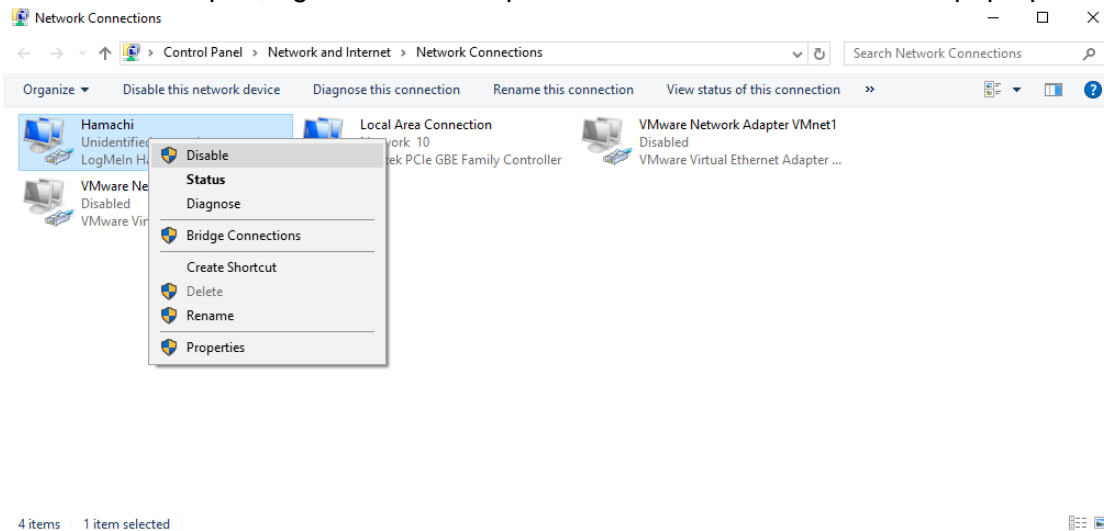


Image 2.4 – Disable active Network Adapters

5. Continue until only the Local Area Connection is the only adapter active.

## 2.2 Setting the IP Address of the Computer

To change the IP Address of the Computer to be in the same range as the Gateway, follow the steps below:

1. Open the **“Control Panel”** and go to **“Network and Sharing Center”**.
2. Click on the **“Local Area Connection”** in the **“View your Active Networks”** section to open the Local Area Connection Status window

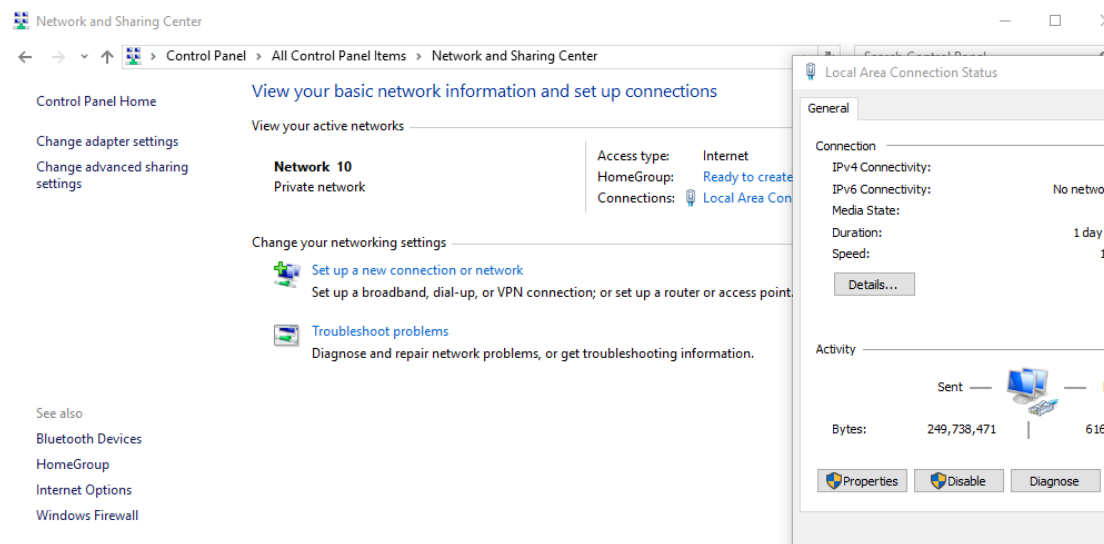


Image 2.5 – Local Area Connection Status

3. Click on the “Properties” button

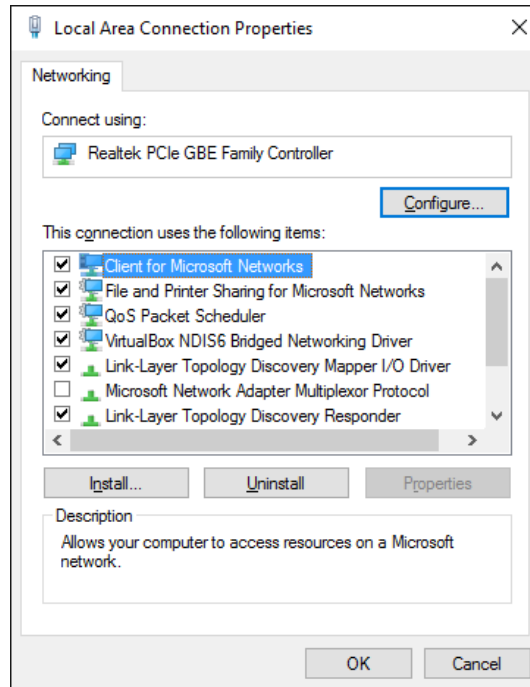


Image 2.6 – Local Area Connection Properties

4. Click on the “Internet Protocol Version 4 (TCP/IPv4)” option and click on “Properties”

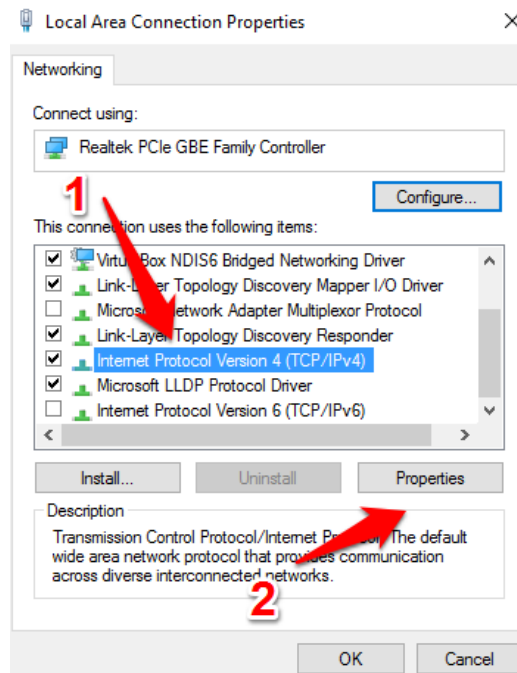


Image 2.7 – IPv4 Option

5. Select the “**Use the following IP Address**” option and fill out the IP Address, Subnet mask, and Default gateway fields and click “OK” to complete the process

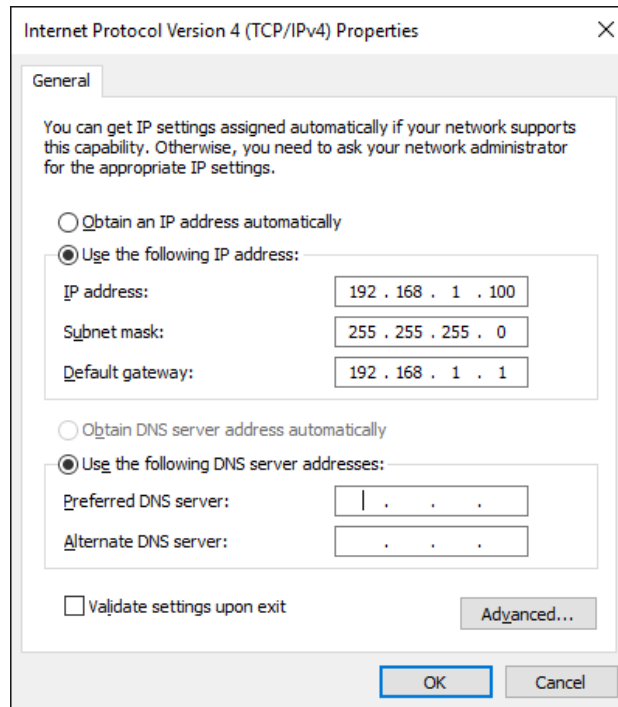


Image 2.8 – Set Static IP Address

6. Close the “**Properties**” windows.

**Note:** After changing the IP Address of the CAS Gateway, remember to reset the computer’s IP Address.

### **3. Changing the IP Address**

To change the IP Address of the gateway, you will need to use the IP Setup Tool. The tool can be found on the blue USB stick that comes with the gateway, or it can be downloaded from the following link: <http://www.chipkin.com/cas-gateway-ip-address-tool>

Run the IP Setup Tool application and you will see the following window:

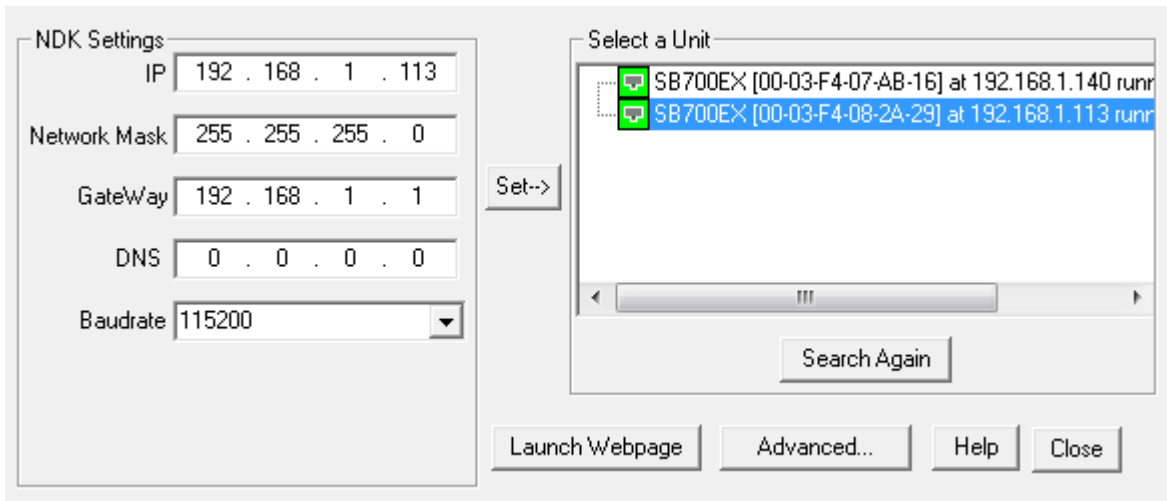


Image 3.1 – IP Setup Tool

The 'Select a Unit' section will have the Gateway you purchased listed with the assigned IP Address.

To change the IP Address, change the fields list on the left side under the 'NDK Settings'.

**Note:** Please do **NOT** change the Baudrate value.

Once you have changed all of the settings, click the 'Set->' button in the middle of the window. The Gateway will automatically reboot to assign the new IP Address.

After you have finished changing the IP Address, you may not see the device in the 'Select a Unit' anymore when pressing the 'Search Again' button. This is because your computer is now on another subnet than the Gateway.

Change your computer back to the original address and you should be able to see the Gateway again when you press the 'Search Again' button.

Now you can add the Gateway to the site network. Note down the new IP Address so that others will know the assigned IP Address.

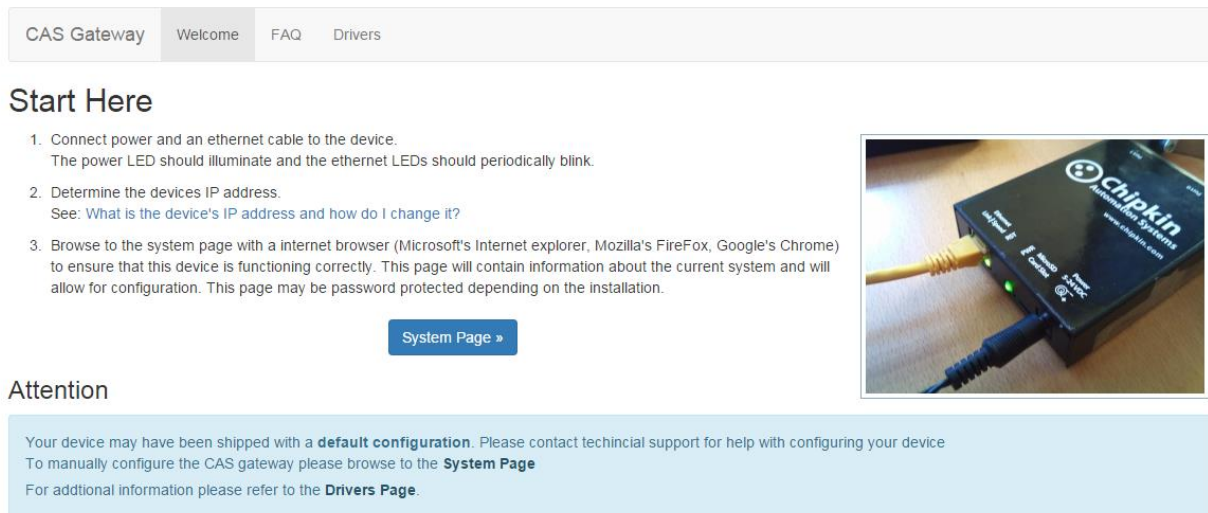
#### 4. Testing the Connection

After changing the IP Address, test the connection to the Gateway.

To test the connection, you can use one of two methods.

1. Open a Web browser and type in the IP Address of the Gateway into the address bar.
2. If the IP Setup Tool is still open, click on the Gateway in the 'Select a Unit' section and press the 'Launch Webpage' button. This will open a Web browser to the start page of the Gateway.

Regardless of the method, you will see the Start Here page of the Gateway. It should be similar to the following:



The screenshot shows a web browser interface for the CAS Gateway. At the top, there is a navigation menu with links for 'CAS Gateway', 'Welcome', 'FAQ', and 'Drivers'. Below the menu is a heading 'Start Here' followed by a list of three numbered instructions: 1. Connect power and an ethernet cable to the device. The power LED should illuminate and the ethernet LEDs should periodically blink. 2. Determine the devices IP address. See: What is the device's IP address and how do I change it? 3. Browse to the system page with a internet browser (Microsoft's Internet explorer, Mozilla's FireFox, Google's Chrome) to ensure that this device is functioning correctly. This page will contain information about the current system and will allow for configuration. This page may be password protected depending on the installation. Below the instructions is a blue button labeled 'System Page >'. To the right of the text is an image of the physical device, a black rectangular box with 'chipkin automation systems' and 'www.chipkin.com' printed on it. It has an Ethernet port with a yellow cable plugged in and a power port with a black cable plugged in. Below the instructions and button is a light blue box with the text: 'Your device may have been shipped with a default configuration. Please contact technical support for help with configuring your device. To manually configure the CAS gateway please browse to the System Page. For additional information please refer to the Drivers Page.'

#### Attention

Your device may have been shipped with a **default configuration**. Please contact technical support for help with configuring your device. To manually configure the CAS gateway please browse to the **System Page**. For additional information please refer to the **Drivers Page**.

#### More help

We are here to help you. Please feel free to contact us directly with any questions, comments or suggestions.

<b>Email:</b>	info001@chipkin.com
<b>Phone:</b>	1-866-383-1657 (Toll Free)

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Image 3.4 – CAS Gateway Start Here page

If this page is visible, then the connection is good and you can log onto the gateway.



## 5. Logging In For the First Time

If you are browsing the webpages of the Gateway for the first time (or whenever the web browser's cache is cleared), you may be prompted for a user name and password.

By default, when shipped, the Gateway comes with the following username and password:

- Username: admin
- Password: admin

After logging in, it is possible to change the password by accessing the System Page at <http://ip/bin/system> where ip is the IP Address of the Gateway.

Look for the "Change Password" section on the System Page as seen in the image below

**Change password**  
 The password must be greater than 4 letters.

Old password	<input type="text"/>
New password	<input type="text"/>
Confirm new password	<input type="text"/>

Image 3.5 – CAS Gateway Change Password

**Note:** Username will always remain 'admin'

## 6. Support

This driver was developed by Chipkin Automation Systems (CAS). CAS is proud to provide support for the driver. For support please call CAS at (866) 383-1657.

## 7. Revision History

Date	Resp	Format	Driver Ver.	Doc. Rev.	Comment
2016 Mar 04	ACF		0.01	0	Created Document