



Introduction

Purpose

This manual provides instructions for setting up a CFN®+ or ISL+ system that connects to National Bankcard Services (NBS) for card verification using the FiPay™ application.

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Cards Accepted

NBS (FiPay) can accept the following cards. To know which cards will be active at your location, contact your NBS representative.

Bank Cards	
American Express®	Discover®
MasterCard®	VISA®

Fleet Cards	
MasterCard Fleet	PHH (except Donlen)
VISA Fleet	Voyager
WEX SM	

Related Documents

Document Number	Title	GOLD Library
MDE-4255	Gasboy® Warranty Policy Statement for USA and Canada	<ul style="list-style-type: none">• Gasboy Safety and Warranty Docs• Gasboy Policy Documents
MDE-4811	Islander™ PLUS and ICR PLUS Installation Manual	Gasboy Fleet PLUS System
MDE-4813	CFN PLUS Installation Manual	Gasboy Fleet PLUS System
MDE-4817	SiteOmat In-House Station Controller Setup and Maintenance Manual	Gasboy Fleet PLUS System
MDE-4818	SiteOmat In House Station Controller Users Manual	Gasboy Fleet PLUS System

Abbreviations and Acronyms

Term	Description
AES	Advanced Encryption Standard
API	Application Programming Interface
CFN	Commercial Fueling Network
ESP	Electronic Payment System
FHO	Fleet Head Office
FTP	File Transfer Protocol
GUI	Graphical User Interface
HASP	Hardware Against Software Piracy
ICR	Island Card Reader
NBS	National Bankcard Services
OS	Operating System
RAM	Random Access Memory
SSL	Secure Socket Layer
TAC	Technical Assistance Center
TCP/IP	Transmission Control Protocol/Internet Protocol
USB	Universal Serial Bus
XML	Extensible Markup Language

Warranty

For information on warranty, refer to MDE-4255 Gasboy Warranty Policy Statement for USA and Canada. If you have any warranty-related questions, contact Gasboy's Warranty Department at its Greensboro location.

Important Safety Information

Notes: 1) *Save this Important Safety Information section in a readily accessible location.*

2) *Although DEF is non-flammable, Diesel is flammable. Therefore, for DEF cabinets that are attached to Diesel dispensers, follow all the notes in this section that pertain to flammable fuels.*

This section introduces the hazards and safety precautions associated with installing, inspecting, maintaining or servicing this product. Before performing any task on this product, read this safety information and the applicable sections in this manual, where additional hazards and safety precautions for your task will be found. Fire, explosion, electrical shock or pressure release could occur and cause death or serious injury, if these safe service procedures are not followed.

Preliminary Precautions

You are working in a potentially dangerous environment of flammable fuels, vapors, and high voltage or pressures. Only trained or authorized individuals knowledgeable in the related procedures should install, inspect, maintain or service this equipment.

Emergency Total Electrical Shut-Off

The first and most important information you must know is how to stop all fuel flow to the pump/dispenser and island. Locate the switch or circuit breakers that shut off all power to all fueling equipment, dispensing devices, and Submerged Turbine Pumps (STPs).

WARNING



The EMERGENCY STOP, ALL STOP, and PUMP STOP buttons at the cashier's station WILL NOT shut off electrical power to the pump/dispenser. This means that even if you activate these stops, fuel may continue to flow uncontrolled.

You must use the TOTAL ELECTRICAL SHUT-OFF in the case of an emergency and not the console's ALL STOP and PUMP STOP or similar keys.

Total Electrical Shut-Off Before Access

Any procedure that requires access to electrical components or the electronics of the dispenser requires total electrical shut off of that unit. Understand the function and location of this switch or circuit breaker before inspecting, installing, maintaining, or servicing Gasboy equipment.

Evacuating, Barricading and Shutting Off

Any procedure that requires access to the pump/dispenser or STPs requires the following actions:



- An evacuation of all unauthorized persons and vehicles from the work area
- Use of safety tape, cones or barricades at the affected unit(s)
- A total electrical shut-off of the affected unit(s)

Read the Manual

Read, understand and follow this manual and any other labels or related materials supplied with this equipment. If you do not understand a procedure, call a Gasboy Authorized Service Contractor or call the Gasboy Service Center at 1-800-444-5529. It is imperative to your safety and the safety of others to understand the procedures before beginning work.

Follow the Regulations

Applicable information is available in National Fire Protection Association (NFPA) 30A; *Code for Motor Fuel Dispensing Facilities and Repair Garages*, NFPA 70; *National Electrical Code (NEC)*, Occupational Safety and Health Administration (OSHA) regulations and federal, state, and local codes. All these regulations must be followed. Failure to install, inspect, maintain or service this equipment in accordance with these codes, regulations and standards may lead to legal citations with penalties or affect the safe use and operation of the equipment.

Replacement Parts

Use only genuine Gasboy replacement parts and retrofit kits on your pump/dispenser. Using parts other than genuine Gasboy replacement parts could create a safety hazard and violate local regulations.

Safety Symbols and Warning Words

This section provides important information about warning symbols and boxes.

Alert Symbol



This safety alert symbol is used in this manual and on warning labels to alert you to a precaution which must be followed to prevent potential personal safety hazards. Obey safety directives that follow this symbol to avoid possible injury or death.

Signal Words

These signal words used in this manual and on warning labels tell you the seriousness of particular safety hazards. The precautions below must be followed to prevent death, injury or damage to the equipment:



DANGER: Alerts you to a hazard or unsafe practice which will result in death or serious injury.



WARNING: Alerts you to a hazard or unsafe practice that could result in death or serious injury.



CAUTION with Alert symbol: Designates a hazard or unsafe practice which may result in minor injury.

CAUTION without Alert symbol: Designates a hazard or unsafe practice which may result in property or equipment damage.

Working With Fuels and Electrical Energy

Prevent Explosions and Fires

Fuels and their vapors will explode or burn, if ignited. Spilled or leaking fuels cause vapors. Even filling customer tanks will cause potentially dangerous vapors in the vicinity of the dispenser or island.

DEF is non-flammable. Therefore, explosion and fire safety warnings do not apply to DEF lines.

Important Safety Information

No Open Fire



Open flames from matches, lighters, welding torches or other sources can ignite fuels and their vapors.

No Sparks - No Smoking



Sparks from starting vehicles, starting or using power tools, burning cigarettes, cigars or pipes can also ignite fuels and their vapors. Static electricity, including an electrostatic charge on your body, can cause a spark sufficient to ignite fuel vapors. Every time you get out of a vehicle, touch the metal of your vehicle, to discharge any electrostatic charge before you approach the dispenser island.

Working Alone

It is highly recommended that someone who is capable of rendering first aid be present during servicing. Familiarize yourself with Cardiopulmonary Resuscitation (CPR) methods, if you work with or around high voltages. This information is available from the American Red Cross. Always advise the station personnel about where you will be working, and caution them not to activate power while you are working on the equipment. Use the OSHA Lockout/Tagout procedures. If you are not familiar with this requirement, refer to this information in the service manual and OSHA documentation.

Working With Electricity Safely

Ensure that you use safe and established practices in working with electrical devices. Poorly wired devices may cause a fire, explosion or electrical shock. Ensure that grounding connections are properly made. Take care that sealing devices and compounds are in place. Ensure that you do not pinch wires when replacing covers. Follow OSHA Lockout/Tagout requirements. Station employees and service contractors need to understand and comply with this program completely to ensure safety while the equipment is down.

Hazardous Materials

Some materials present inside electronic enclosures may present a health hazard if not handled correctly. Ensure that you clean hands after handling equipment. Do not place any equipment in the mouth.

WARNING

The pump/dispenser contains a chemical known to the State of California to cause cancer.

WARNING

The pump/dispenser contains a chemical known to the State of California to cause birth defects or other reproductive harm.

In an Emergency

Inform Emergency Personnel

Compile the following information and inform emergency personnel:

- Location of accident (for example, address, front/back of building, and so on)
- Nature of accident (for example, possible heart attack, run over by car, burns, and so on)
- Age of victim (for example, baby, teenager, middle-age, elderly)
- Whether or not victim has received first aid (for example, stopped bleeding by pressure, and so on)
- Whether or not a victim has vomited (for example, if swallowed or inhaled something, and so on)

WARNING



Gasoline/DEF ingested may cause unconsciousness and burns to internal organs. Do not induce vomiting. Keep airway open. Oxygen may be needed at scene. Seek medical advice immediately.

WARNING

DEF generates ammonia gas at higher temperatures. When opening enclosed panels, allow the unit to air out to avoid breathing vapors. If respiratory difficulties develop, move victim away from source of exposure and into fresh air. If symptoms persist, seek medical attention.

WARNING



Gasoline inhaled may cause unconsciousness and burns to lips, mouth and lungs. Keep airway open. Seek medical advice immediately.

WARNING



Gasoline/DEF spilled in eyes may cause burns to eye tissue. Irrigate eyes with water for approximately 15 minutes. Seek medical advice immediately.

WARNING



Gasoline spilled on skin may cause burns. Wash area thoroughly with clear water. Seek medical advice immediately.

WARNING

DEF is mildly corrosive. Avoid contact with eyes, skin, and clothing. Ensure that eyewash stations and safety showers are close to the work location. Seek medical advice recommended treatment if DEF spills into eyes.

IMPORTANT: Oxygen may be needed at scene if gasoline has been ingested or inhaled. Seek medical advice immediately.

Lockout/Tagout

Lockout/Tagout covers servicing and maintenance of machines and equipment in which the unexpected energization or start-up of the machine(s) or equipment or release of stored energy could cause injury to employees or personnel. Lockout/Tagout applies to all mechanical, hydraulic, chemical or other energy, but does not cover electrical hazards. Subpart S of 29 CFR Part 1910 - Electrical Hazards, 29 CFR Part 1910.333 contains specific Lockout/Tagout provision for electrical hazards.

Preparing for Configuration

Before you configure, obtain the following information from your NBS representative:

- Your Merchant ID#. Cenex® customers obtain Merchant ID from CHS.
- Phone numbers (primary and secondary) for the modem used for NBS authorization, if using dialup connectivity to NBS, or Abierto box with dialup backup.
- An open serial port on the desktop computer hosting the FiPay application. A USB to serial adaptor can be used, if required.
- An available USB port for the software Hardware Against Software Piracy (HASP) key.

Note: It is important to have a dialup modem or Abierto router box for connection to the NBS network.

Determine the desktop computer's serial communications port to be assigned to the FiPay application for connection to the NBS host through the modem or Abierto router.

You may also want to determine which of the accepted card types you will use and ensure that all product information is loaded in the Islander Plus system. For more information, refer to MDE-4817 SiteOmat In-House Station Controller Setup and Maintenance Manual.



CAUTION

Before loading new versions of software and/or initializing NBS, ensure that all previous transactions are settled and accounted for. Failure to do so can cause a loss of transaction data or create a problem for the next settlement.

System Requirements

Following is a list of FiPay requirements for a system. If the system on which FiPay is installed includes other services, then you must scale the system for those services/products, as required.

Minimum Hardware Requirements

- 1 GB of RAM
- 2 GHz of CPU Speed
- 40 GB of Disk Space

Minimum Software Requirements

- .NET 2.0 or higher
- Windows® XP PROFESSIONAL or Windows 7 Professional Minimum (Windows 2003 Server preferred)

CFN+ or Islander PLUS Minimum Software Requirements

- Operating System - v.BSP 1.08 (SP8) or higher
- SiteOmat - v.SO 6.3.3.088 or higher
- Fleet Head Office - v.FHO 6.3.3.035 – DB:342 or higher

WARNING

Windows version listed as Home, Starter, and so on are **NOT SUPPORTED**.

All Windows Operating Systems must be listed as PROFESSIONAL or higher to meet the minimum requirements.
Windows Vista™ is **NOT SUPPORTED**.

Before you Begin

FiPay Payment Network software is intended to run on a standalone PC or Server.

Before attempting to install FiPay Payment Network software on the same PC/Server as the Fleet Head Office software, refer to [“Appendix C: HASP Key Information”](#) on [page 57](#).

Islander Plus/CFN Plus Setup

To accept Credit Card sales using the Islander PLUS system, a Secure Socket Layer (SSL) connection to the computer running the FiPay application must be established. The Islander PLUS makes this connection automatically and then the connection is set up using the following SiteOmat menus:

- 1** To navigate to the Station Parameters menu, login to the Islander PLUS.
 - a** Navigate to the **SETUP** page.
 - b** Click the **ADVANCED** button.
 - c** Click or select the **GLOBAL** tab at the TOP of the page.
- 2** On the Global page, make the following changes:
 - a** Change the **User Activity Timeout** to 120.
 - b** Change the **Authorization Timeout** to 120.
 - c** Click the **Save** button to save the changes.

Figure 1: Global Page

The screenshot shows the 'Global' tab selected in the application. The 'Station' section contains the following information:

- Description: Patrices Truck Stop
- E-Mail: (empty field)
- Address: 7300 Friendly Ave
- Code: 12
- Language: English
- City: Greensboro

The 'Regional Settings' section includes the following dropdown menus:

- Date format: MM/DD/YY
- Volume measurement: Gallon
- Currency measurement: Dollars
- Density: Kg/m³
- Height (measurement): Inch
- Flow Rate: Gal/Hr
- Time format: HH:MM:SS
- Odometer consumption: Mi/Gal
- EH consumption: Gal/Hr
- Temperature: °F
- Weight (measurement): Inch

The 'General' section includes the following fields:

- VAT: 0.00 %
- User Inactivity timeout: 45 seconds
- Auto-Auth name: AutoAuth
- Location code (Magic): 1
- Department color: Positive list
- Zero transactions: 0
- Alarm refresh rate: 5 seconds
- Authorization Timeout: 60
- Employee fleet name: default_fleet
- Employee fleet code: 99999

Two callout boxes highlight the 'User Inactivity Timeout' and 'Authorization Timeout' fields, both of which are set to 120 seconds.

- 3 Navigate back to the Station Parameters menu and login to the Islander PLUS.
 - a Navigate to the **SETUP** page.
 - b Click the **ADVANCED** button.
 - c Click or select the **GLOBAL** tab at the TOP of the page.
 - d Click the **ADVANCED** button again.

- 4 In the **Payment Terminal** section of the page, click the **Setup** button to configure the Islander PLUS to accept Credit Cards through FiPay.

Figure 2: Station Parameter Menu

Station Parameters - SiteOmat -- Webpage Dialog

Configure Screen

- ☒ Enable Pump Authorization through Screens
- ☐ Prompt for coupon information
- ☒ Require Confirmation to Authorize Pump
- ☒ Allow Pump Authorization with No Limit
- ☒ Automatically Authorize Pump with No Limit
- Limit Type: ☒ Money ☐ Volume ☐ Both

Enable keypad entry for authorization (F3)

- ☐ Disabled
- ☐ Enabled on 1st entry only
- ☒ Enabled on 2nd entry only
- ☐ Enabled on both entries

TLG Update Intervals

Delivery: 60 min.

Inventory: 60 min.

Alarms: 1 min.

Enclosure door open detection

Enabled: ☐

IP: 192.168.1.111

Port: 6500

Formats

Decimal point precision for currency: 3

Decimal point precision for volume: 3

Decimal point precision for fuel sales: 3

Decimal point precision for fuel sales: 3

Shift Details

Attendant Shift Report

- ☒ Show MOP details
- ☐ Show fuel sales details
- ☐ Show dry stock details

Fuel Shift Report

- ☒ Show MOP details
- ☒ Show fuel sales details
- ☒ Show dry stock details
- ☒ Show totalizer details

Payment Terminal

Setup ...

Auto Calibration

Time to check if done: 00 : 00

General

Prompt for plate: ☐

Allow Fuelling when shift is closed: ☒

Update OrPT on pump status changes: Disabled

Card number automatically generated: ☐

Modify Close

- 5 Click the **Setup** button in the Payment Terminal section to open the **Setup PAIS** screen (see [Figure 3](#)).

Figure 3: Setup PAIS Screen

Setup PAIS - SiteOmat - Webpage Dialog

General

PAIS IP: 10.0.0.1 PAIS port: 5552 PAIS tasks: 32

App log: ☐ Enable App port: 10001

Comm log: ☐ Enable Comm port: 10002

Timeout: 30 Seconds

Card may not be reused within

Pre-authorize amount:

End of Day

Daily run enabled: ☐

Time to run daily: 00 : 01

Run EOD Now

Credit processor: FiPay

Specific

Device IP: 10.0.0.11 Device Port: 24900

enable log ? : NO

ProductMap...

Save Close

- 6 Select **NBS** from the **Credit processor** drop down list.
- 7 In the **Specific** section of the page, set the **Device IP** to the IP address of the computer that has FiPay installed. This is usually a standalone PC. However, it can be the same PC that Fleet Head Office (FHO) is installed on.
- 8 In the **Specific** section of the page, set the **Device Port** to the Transmission Control Protocol/Internet Protocol (TCP/IP) Port of the computer that has FiPay installed. The standard port used for FiPay is 24900. Ensure that any Firewalls are set to allow activity on this port.

Note: Details can be found in “[Configuring Windows Firewall](#)” on [page 29](#).

- 9 In the **Specific** section of the page, click the **Product Map** button. When you select **ProductMap** on the Payment Setup page, a window appears where you can map the local product codes that you have loaded into the site to those which are predetermined by the Network Processor.

Figure 4: Translate Product Codes Screen

- 10 Select **NBS** from the **Translation group** drop down list.
- 11 Select the local product loaded in the Islander PLUS system from the **Product name - code** drop down list that you want to cross refer.
- 12 Set the **External code** with the corresponding network code for the Local Product set in the Product name-code box (see Figure 4). For network codes, refer to the NBS Product Table in [“Appendix A: NACS/PCAT Product Reference Tab”](#) on page 47.
Note: This is the product code sent to the Host network for Credit transactions and it provides proper authorization along with the billing information.
- 13 Repeat steps 9 and 10 for all local product codes.
- 14 Click **OK** to save your data when you have finished your entries or click **Cancel** to exit the screen without saving.

- 15 Set the Station to process End of Day (Settlement) with the Host network.
 - a Enable end of day processing by selecting the **Daily run enabled** checkbox.
 - b Use the **Time to run daily** drop down boxes to set the time when the End of day will occur with the Host network.

Figure 5: Setup PAIS Screen

Setup PAIS - SiteOmat -- Webpage Dialog

General

PAIS IP: 10.0.0.11 PAIS port: 10002 PAIS tasks: 32

App log: ☐ Enable

Comm log: ☐ Enable

Timeout: 30 Seconds

Card may not be reused within: 10 Minutes

Pre-authorize amount: 400 Dollars

End of Day

Daily run enabled: ☐

Time to run daily: 00 : 01

Run EOD Now

Credit processor: Fipay

Specific

Device IP: 10.0.0.11 Device Port: 24900

enable log?: NO

ProductMap...

Save Close

- 16 Additional settings that are NOT typically changed are as follows:
 - a **Timeout**: 30 seconds is default. This is the time allowed to contact the Host network. **Must be set to 120.**
 - b **Card may not be reused with**: 10 minutes is default. This timer controls when the same card is used second time. Set 0 to disable.
 - c **Pre-authorization amount**: 400 is default. This is the Maximum dollar amount allowed even if the Host network authorizes a greater value.
- 17 Additional setting must NEVER be changed unless advised to by Gasboy Technical Support.
 - a PAIS tasks:
 - b App log: App Port:
 - c Comm log: Comm port:

Installing FiPay (NBS)

To install FiPay (NBS), proceed as follows:

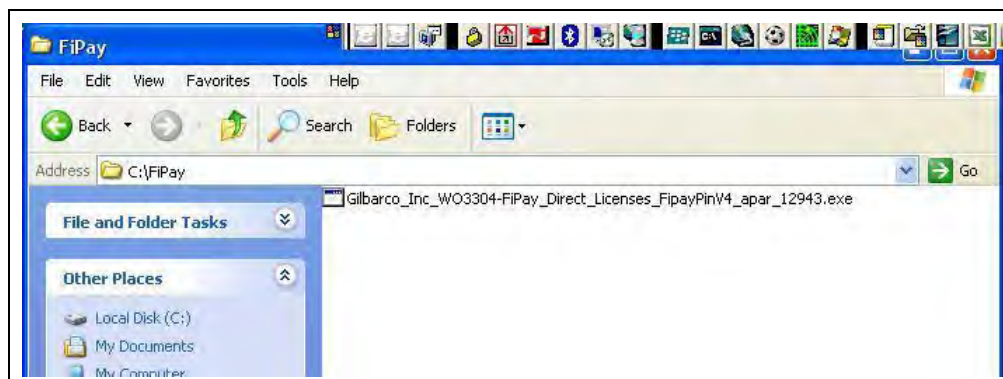
- 1 Place the FiPay (NBS) executable file that is provided to you or downloaded from the File Transfer Protocol (FTP) site on the **C:** drive of the system you wish to install it on.

IMPORTANT INFORMATION

Before you start, ensure that you have your FiPay HASP key available. While it is not required to be inserted for FiPay to install, you must insert this key for FiPay to operate properly.

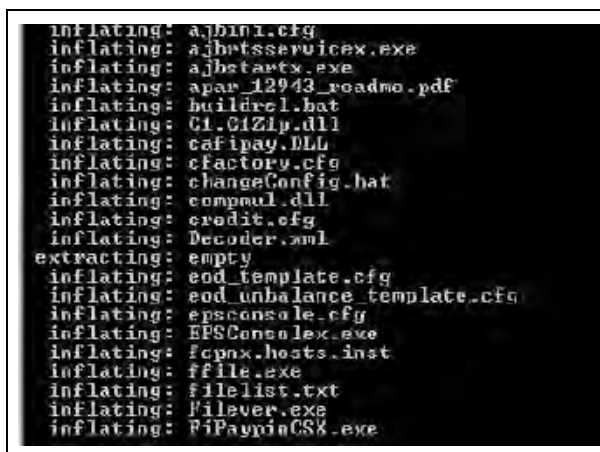
- 2 Double-click the build executable file and follow the prompts to install or upgrade the software. This file can be installed from any location on the hard drive or removable drive.
Note: If you already have a version of FiPay installed on this machine, you will be prompted to preserve this directory for backup purposes later in the process.

Figure 6: FiPay Executable File



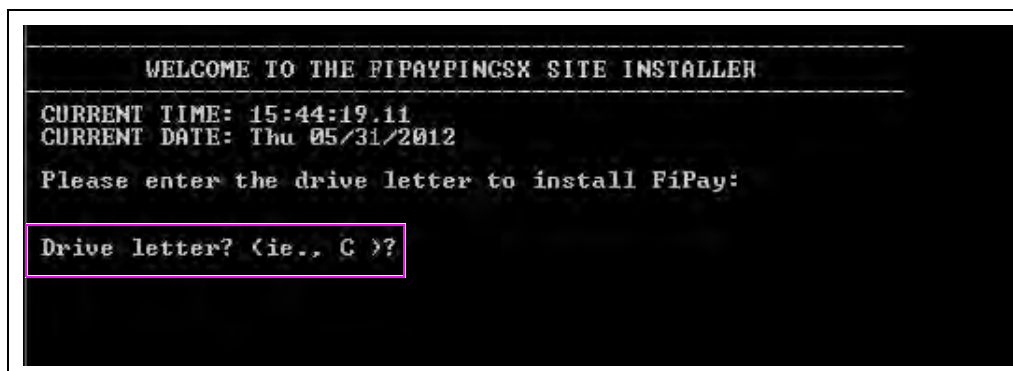
- 3 After clicking the executable file, a MS-DOS® window appears followed by a number of file names that scroll across the screen (see [Figure 7](#)) as they are unzipped for the installation.

Figure 7: MS-DOS Window



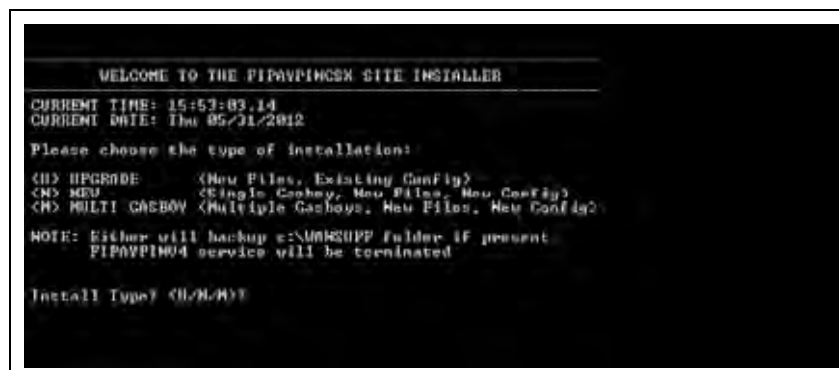
- 4 After the files are unzipped, you will be prompted to **Enter the Drive letter** where you want to install the FiPay application. Enter the drive where the application will be installed and press **Enter**.

Figure 8: Drive Letter Prompt



- 5 After entering the Drive letter, you will be prompted to enter the type of install: (U) Upgrade, (N) New, or (M) Multi. Select the option that applies to your installation.

Figure 9: Installation Type Prompt



- a Enter **U** for upgrade. This copies the previous version's configuration.
- b Enter **N** for new. This creates directory and installs application for a single station.
- c Enter **M** for multiple. This creates directory and installs application for two or more stations.

New Install

- 6 Enter “N” for the NEW installation option. The installation package will copy files to the WANSUPP directory and Site Configuration screen will display (see [Figure 10](#)).

Figure 10: Site Configuration Screen



- 7 Enter the Type of Site configuration that applies to the install.
 - **Abierto Router:** This is a third-party device that connects serially to the FiPay application computer and then connects to NBS through TCP/IP. For the specific parameters required for setup of a device, you must contact Abierto and then match FiPay to those parameters.
 - **Dial via Modem connection:** Use this selection if you are connecting a standard modem to the FiPay application computer. You will be prompted for the main and backup phone numbers to contact NBS for authorization.
 - **Abierto Router with Dial Backup via Modem:** This incorporates both the Abierto setup along with a dialup backup routine. If for some reason a TCP/IP connection is not available, then the system will fallback on the dialup access to NBS.

Option 1: Abierto Router (See [Figure 11](#) and [Figure 12](#) on page 15)

- 8 Enter the **Terminal ID**. This is the terminal ID for this location. Contact NBS for this number. Cenex customers obtain Terminal ID from CHS.
- 9 Enter the **COM Port for Abierto Router**. This is the COM port of the computer hosting the FiPay application.
- 10 Enter the **Min Dial Attempts**. This is the number of redial attempts.
- 11 Enter the **FiPay Timeout**. This is the number of seconds before FiPay will timeout and abort the authorization attempt. This number must always be less than the Islander PLUS system.
- 12 Enter the **Auto Key Renewal**. This is the number of days left for the security keys to automatically renew.
- 13 Enter the **Fleetcard \$PreAuth**. This is the PreAuth amount used for Fleet Cards.
- 14 Enter the **Non-Fleetcard \$PreAuth**. This is the PreAuth amount used for Credit Card and other non-Fleet cards.

- 15 Review the data entered at the **Are these variables correct?** (Y/N) prompt. Enter **Yes** to save the configuration or enter **No** to re-enter the configuration data.

Figure 11: Abierto Router Site Configuration

```

C:\NPay\Gobase Inc. W01R04 FiPay Direct License 1 paypinv4.exe 17843.exe

WELCOME TO THE FIPAYPINCSX SITE CONFIGURATOR
RPMN: 12943 RELEASE
DATE: May 11, 2011

CURRENT TIME: 20:59:11.35
CURRENT DATE: Sun 05/15/2011

Type of site configuration?
1 Abierta Router
2 Dial via Modem connection
3 Abierta Router with Dial Backup via Modem

Make a choice or hit ENTER to quit: 1

Enter Terminal ID for this location (i.e., 12345): GB233214567
Enter COM port the Abierta Router is connected in (i.e., 1, 2, 3, 4): 4
NOTE: Minimum 2 dial attempts recommended (Modem/Router)
Enter number of dial attempts (i.e., 2): 4
NOTE: FiPay timeout value MUST be lower than Gateway timeout value
Enter FiPay timeout value (i.e., 55): 55
NOTE: Keys have to be renewed once a year (365 days) Enter value in days
Enter number of days before renewing keys (i.e., 365): 365
Enter the Preauth limit for Fleet Cards (Default Value 0000: 250)
Enter the Preauth limit for Non-Fleet Cards (Default Value 75):

CONFIGURATION VARIABLE FOR ABIERTO ROUTER ONLY SITE

Terminal ID: GB233214567
Abierta Router: 1
Abierta COM Port: 4
Dial Attempts: 4
FiPay Timeout: 55
Key Renewal Days: 365
Fleet Preauth Amount: 250
Non-Fleet Preauth Amount: 75

THE FOLLOWING CONFIGURATION SETTINGS HAVE BEEN TURNED OFF:
Dialing Modem: 0
Dialing Modem COM Port: 0
Mod Phone Number:
Dialing Modem Init String: ""
Mod Backup Phone Number:

Are these variables correct? (Y/N)?_

```

Notes: 1) The information shown in this figure is an example only.
2) Terminal ID will begin with GB.

Figure 12: Successful Configuration of Abierto Router

```

YOU HAVE SUCCESSFULLY CONFIGURED FIPAYPINCSX!

YOUR CONFIGURATION CHANGES SAVED TO THE FOLLOWING FILE:
Volume in drive C has no label.
Volume Serial Number is 389D-B729

Directory of C:\UNANSUPP
05/15/2011  09:00 PM                236 Fipaypincs_def.cfg
               1 File(s)                236 bytes
               0 Dir(s)  51,893,288,960 bytes free

NOTE: PLEASE RUN FIPAYPINCSX.EXE AFTER INSTALLATION
TO MIGRATE THESE CHANGES INTO FIPAYPINCS_CONFIG.XML
(MASTER CONFIGURATION).

Press any key to continue . . .
1 file(s) copied.

INSTALLING FIPAYPINV4 Windows Service...
Failed: Service already exists or failed to gain access.

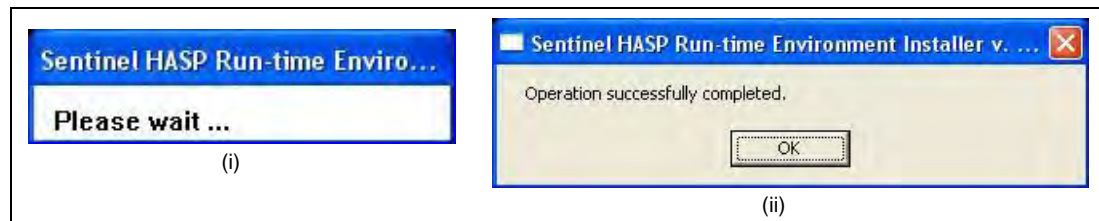
INSTALLING HASP KEY DRIVER

INITIALIZING HASP KEY DRIVER INSTALLATION...
A NEW WINDOW WILL OPEN WITH DRIVER INSTALLATION
Press any key to continue . . .
- END OF CONFIGURATION -
Press any key to continue . . .

```

- 16 After the configuration has been saved, the HASP key driver installation will begin. Press any key to continue the installation process.
- 17 The script will then copy the driver files for the HASP to your computer and make the required configuration changes to your computer for it to operate. At this point, you will see the following two messages (see [Figure 13](#)). The first message indicates that the driver is being loaded and second message indicates that the operation has been successfully completed.

Figure 13: Operation Successful Message



IMPORTANT INFORMATION

The HASP key does not have to be inserted for the drivers to be successfully installed. However, it must be inserted before FiPay service will start and function.

- 18 Press any key to complete the software installation.
- 19 To complete the installation and start the FiPay service, refer to [“Service Install Verification and Start-up”](#) on [page 26](#).

Option 2: Dialup Modem (See [Figure 14](#) and [Figure 15](#) on [page 17](#))

- 20 Enter the **Terminal ID**. This is the terminal ID for this location. Contact NBS for this number. Cenex customers obtain Terminal ID from CHS.
- 21 Enter the **COM Port for Dialup Modem**. This is the COM port of the computer connected to the modem.
- 22 Enter the **NBS Phone Number**. This is the number used by FiPay to Dial Out for authorization.
- 23 Enter the **Modem Init String**. This allows you to edit the Init string for the Dial Out modem used for authorization.
Note: You MUST include amp; after each ampersand symbol used in the init string. For more details, refer to [“Appendix B: Running EPS Console GUI Utility”](#) on [page 55](#).
- 24 Enter the **NBS Backup Phone Number**. This is the number used by FiPay to Dial Out for authorization.
- 25 Enter the **Min Dial Attempts**. This is the number of redial attempts.
- 26 Enter the **FiPay Timeout**. This is the number of seconds before FiPay will timeout and abort the authorization attempt. This number must always be less than the Islander PLUS system.
- 27 Enter the **Auto Key Renewal**. This is the number of days left for the security keys to renew automatically.

- 28 Enter the **Fleetcard \$PreAuth**. This is the PreAuth amount used for Fleet Cards.
- 29 Enter the **Non-Fleetcard \$PreAuth**. This is the PreAuth amount used for Credit Card and other non-Fleet cards.

Figure 14: Dialup Modem Site Configuration

```

C:\V\FlyKilnnet, Inc\W1004\FiPay\Setup\Network\FiPayNet4.exe -j3945566
WELCOME TO THE FIPAYPINCES ELITE CONFIGURATION
APM#: 12945 RELEASE
DATE: May 11, 2011
CURRENT TIME: 11:04:46.37
CURRENT DATE: Sun 05/15/2011

Type of site configuration:
1) Abirote Router
2) Dial via Modem connection
3) Abirote Router with Dial Backup via Modem
Make a choice as to which option to select: 2

Enter Terminal ID for this location (i.e. 12345): gb123456789
Enter COM port the Dialup Modem is connected to (i.e. 1, 2, 3, 4): 4
Enter the MDE phone number without dashes (i.e.: 11231231234 or 9,11231231234): 9,1123334565
Enter Dialup Modem INI string using npi before any letter/number combination (i.e. "Rtampqk"):
Enter the MDE backup number without dashes (i.e.: 11231231234 or 9,11231231234): 9,2343456767
NOTE: Minimum 2 dial attempts recommended (Modem/Router)
Enter number of dial attempts (i.e.: 2):
NOTE: FiPay timeout values MUST be lower than Gateway timeout values
Enter FiPay timeout values (i.e.: 45):
NOTE: Key has to be renewed once a year (365 days) Enter value in days
Enter number of days before renewing key (i.e.: 365):
Enter the PreAuth limit for Fleet Cards (Default Value 400): 250
Enter the PreAuth limit for Non-Fleet Cards (Default Value 75):

CONFIGURATION VARIABLES FOR DIAL VIA MODEM ONLY SITE

Terminal ID: gb123456789
Dialup Modem: 4
Dialup Modem Port: 4
MDE Phone Number: 9,1123334565
Dialup Modem INI String:
MDE Backup Phone Number: 9,2343456767
Dial Attempts: 2
FiPay Timeout: 45
Key Renewal Days: 365
Fleet PreAuth Amount: 250
Non-Fleet PreAuth Amount: 75
THE FOLLOWING CONFIGURATION SETTINGS HAVE BEEN TURNED OFF
Abirote Router: N
Abirote COM Port: -

```

Notes: 1) The information shown in this figure is an example only.
2) Terminal ID will begin with GB.

Figure 15: Successful Configuration of Dialup Modem

```

Are these variables correct? (Y/N)?y

YOU HAVE SUCCESSFULLY CONFIGURED FIPAYPINCES!

YOUR CONFIGURATION CHANGES SAVED TO THE FOLLOWING FILE:
Volume in drive C has no label.
Volume Serial Number is 389D-BF29

Directory of C:\MANSUPP
05/15/2011  08:22 PM                256 fipaypincs_def.cfg
               1 File(s)                256 bytes
               0 Dir(s)  51,976,151,848 bytes free

NOTE: PLEASE RUN FIPAYPINCES.EXE AFTER INSTALLATION
TO MIGRATE THESE CHANGES INTO FIPAYPINCES_CONFIG.XML
(MASTER CONFIGURATION).

Press any key to continue . . .
1 file(s) copied.

INSTALLING FIPAYPINV4 Windows Service...
Failed: Service already exists or failed to gain access.

INSTALLING HASP KEY DRIVER

INITIALIZING HASP KEY DRIVER INSTALLATION...
A NEW WINDOW WILL OPEN WITH DRIVER INSTALLATION
Press any key to continue . . .

```

- 30 After the configuration has been saved, the HASP key driver installation will begin. Press any key to continue the installation process.
- 31 The script will then copy the driver files for the HASP to your computer and make the required configuration changes to your computer for it to operate. At this point, you will see the following two messages (see [Figure 16](#)). The first message indicates that the driver is being loaded and second message indicates that the operation has been successfully completed.

Figure 16: Operation Successful Message



IMPORTANT INFORMATION

The HASP key does not have to be inserted for the drivers to be successfully installed. However, it must be inserted before FiPay service will start and function.

- 32 Press any key to complete the software installation.
- 33 To complete the installation and start the FiPay service, refer to [“Service Install Verification and Start-up”](#) on [page 26](#).

Option 3: Abierto Router with Dialup Modem (See [Figure 17](#) on [page 19](#) and [Figure 18](#) on [page 20](#))

- 34 Enter the **Terminal ID**. This is the terminal ID for this location. Contact NBS for this number. Cenex customers obtain Terminal ID from CHS.
- 35 Enter the **COM Port for Abierto Router**. This is the COM port of the computer hosting the FiPay application.
- 36 Enter the **COM Port for Dialup Modem**. This is the COM port of the computer connected to the modem.
- 37 Enter the **NBS Phone Number**. This is the number used by FiPay to Dial Out for authorization.
- 38 Enter the **Modem Init String**. This allows you to edit the Init string for the Dial Out modem you are using for authorization.
Note: You MUST include amp; after each ampersand symbol used in the init string. For more details, refer to [“Appendix D: Modem Initialization String Info”](#) on [page 59](#).
- 39 Enter the **NBS Backup Phone Number**. This is the number used by FiPay to Dial Out for authorization.
- 40 Enter the **Min Dial Attempts**. This is the number of redial attempts.

- 41 Enter the **FiPay Timeout**. This is the number of seconds before FiPay will timeout and abort the authorization attempt. This number must always be less than the Islander PLUS system.
- 42 Enter the **Auto Key Renewal**. This is the number of days left for the security keys to automatically renew.
- 43 Enter the **Fleetcard \$PreAuth**. This is the PreAuth amount used for Fleet Cards.
- 44 Enter the **Non-Fleetcard \$PreAuth**. This is the PreAuth amount used for Credit Card and other non-Fleet cards.

Figure 17: Abierto Router with Dialup Modem Site Configuration

```

C:\FiPay\Gilbarco_Inc_WO3304-FiPay_Direct_Licenses_FipayPinV4_apar_12943.exe

WELCOME TO THE FIPAYPINGSX SITE CONFIGURATOR
APAR: 12943 RELEASE
DATE: May 11, 2011

CURRENT TIME: 21:04:44.32
CURRENT DATE: Sun 05/15/2011

Type of site configuration?
 1 Abierto Router
 2 Dial via Modem connection
 3 Abierto Router with Dial Backup via Modem
Make a choice or hit ENTER to quit: 3

Enter the Terminal ID for this location (ie. 12345): gb1233455687
Enter the port the Abierto Router connected to (ie. 1, 2, 3, 4): 4
Enter the port the Dialup Modem is connected to (ie. 1, 2, 3, 4): 3
Enter the NBS Phone Number without dashes (ie.: 11231231234 or 9,11231231234): 9,1232344567
Enter Dialup Modem INIT string using amp; before any letter/number combination (ie. "AT&aq6"):
Enter the NBS backup number without dashes (ie.: 11231231234 or 9,11231231234): 9,3214326556

NOTE: Minimum 2 dial attempts recommended (Modem/Router)
Enter number of redial attempts (i.e. 2):

NOTE: FiPay timeout value MUST be lower than GasBoy timeout value
Enter FiPay timeout value (i.e. 65): 55

NOTE: Keys have to be renewed once a year (365 days) Enter value in days
Enter number of days before renewing keys (i.e. 365):

Enter the PreAuth limit for Fleet Cards (Default Value 400): 250
Enter the PreAuth limit for Non-Fleet Cards (Default Value 75):

CONFIGURATION VARIABLES FOR ABIERTO ROUTER WITH DIAL BACKUP SITE

Terminal ID:          gb1233455687
Abierto Router:      Y
Abierto COM Port:    4
Redial Attempts:     2
FiPay Timeout:       55
Key Renewal Days:    365

Fleet PreAuth Amount: 250
Non-Fleet PreAuth Amount: 75

Dialup Modem:        Y
Dialup Modem COM Port: 3
NBS Phone Number:    9,1232344567
Dialup Modem Init String: ""
NBS Backup Phone Number: 9,3214326556

THE FOLLOWING CONFIGURATION SETTINGS HAVE BEEN TURNED OFF
NONE

```

Notes: 1) The information shown in this figure is an example only.
2) Terminal ID will begin with GB.

Figure 18: Successful Configuration of Abierto Router with Dialup Modem

```

Are these variables correct? (Y/N)?y

YOU HAVE SUCCESSFULLY CONFIGURED FIPAYPINCX!

YOUR CONFIGURATION CHANGES SAVED TO THE FOLLOWING FILE:
Volume in drive C has no label.
Volume Serial Number is 389D-BF29

Directory of C:\MANSUPP
05/15/2011  09:11 PM                257 fipaypincs_def.cfg
               1 File(s)                257 bytes
               0 Dir(s)  51,856,769,024 bytes free

NOTE: PLEASE RUN FIPAYPINCX.EXE AFTER INSTALLATION
      TO MIGRATE THESE CHANGES INTO FIPAYPINCX_CONFIG.XML
      (MASTER CONFIGURATION).

Press any key to continue . . .

      1 file(s) copied.

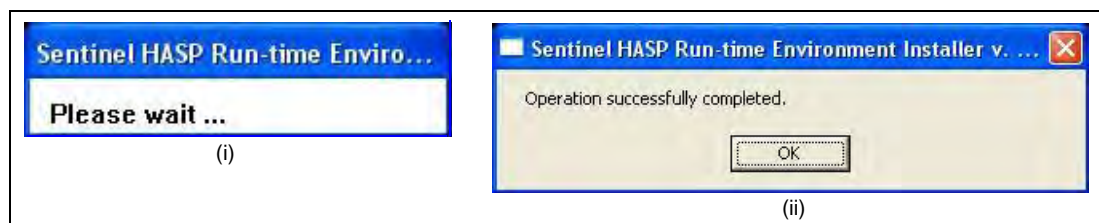
INSTALLING FIPAYPIN4 Windows Service...
Failed: Service already exists or failed to gain access.

-----
      INSTALLING HASP KEY DRIVER

INITIALIZING HASP KEY DRIVER INSTALLATION...
A NEW WINDOW WILL OPEN WITH DRIVER INSTALLATION
Press any key to continue . . .

```

- 45 After the configuration has been saved, the HASP key driver installation will begin. Press any key to continue the installation process.
- 46 The script will then copy the driver files for the HASP to your computer and make the required configuration changes to your computer for it to operate. At this point, you will see the following two messages (see [Figure 19](#)). The first message indicates that the driver is being loaded and second message indicates that the operation has been successfully completed.

Figure 19: Operation Successful Message

IMPORTANT INFORMATION

The HASP key does not have to be inserted for the drivers to be successfully installed. However, it must be inserted before FiPay service will start and function.

- 47 Press any key to complete the software installation.
- 48 To complete the installation and start the FiPay service, refer to [“Service Install Verification and Start-up”](#) on [page 26](#).

Upgrade

- 1 Enter “U” for the Upgrade option. Following screen will display and prompt to back up the existing FiPay directory and setup. Select **Y** for YES and press **Enter** to back up and transfer the existing configuration over to the new version. If you select **N** for NO, you must set up the FiPay configuration from scratch (see [Figure 23](#) on [page 23](#)).

Figure 20: FiPay Backup Message Screen

```

Install Type? <U/N>?U
Stopping FIPAYPINU4 Service...
First Attempt at Stopping FIPAYPINU4 Service...
The FIPAYPINU4 service is stopping.
The FIPAYPINU4 service was stopped successfully.

Second Attempt just to make sure...
The FIPAYPINU4 service is not started.
More help is available by typing NET HELPMSG 3521.

*** WARNING - WANSUPP FOLDER ALREADY EXISTS ***
UPGRADE INSTALL

FOLDER ALREADY EXISTS!!! C:\WANSUPP
If "YES" selected, C:\WANSUPP will be renamed as:
WANSUPP_20110515_191006
If "NO" selected, script will exit

DO YOU WISH TO BACKUP THIS FOLDER? <Y/N>?

```

- 2 If you receive an error message, “Access Denied”, when you are running the upgrade, a window might open pointing to the WANSUPP directory and it must be closed to continue.

Figure 21: Access Denied Screen

```

DO YOU WISH TO BACKUP THIS FOLDER? <Y/N>? y
Access is denied.

*** WARNING - FAILED TO RENAME WANSUPP FOLDER ***
NEW INSTALL

FOLDER WAS NOT RENAMED DUE TO ANY OF THE FOLLOWING:
1. FiPay service/process running
2. C:\WANSUPP folder is open in Window/Command prompt
3. Open files from C:\WANSUPP

Please check the above conditions before proceeding...
- ONCE RESOLVED, PRESS ANY KEY TO RETRY RENAME -
Press any key to continue . . .

```

The **WANSUPP** directory must NOT be opened through any other window on the computer. Else, the message shown in [Figure 21](#) on [page 21](#) appears. Ensure that all windows accessing this directory are closed and then try again. The upgrade script will also prompt you to try again and when all windows accessing this directory are closed, it must successfully rename the directory as shown in [Figure 22](#).

Figure 22: Renaming the Directory

```

1. FiPay service/process running
2. C:\WANSUPP folder is open in Window/Command prompt
3. Open files from C:\WANSUPP

Please check the above conditions before proceeding...

- ONCE RESOLVED, PRESS ANY KEY TO RETRY RENAME -

Press any key to continue . . .

*** WARNING - WANSUPP FOLDER ALREADY EXISTS ***
NEW INSTALL

FOLDER ALREADY EXISTS!!! C:\WANSUPP

If "YES" selected, C:\WANSUPP will be renamed as:
WANSUPP_20110515_200833

If "NO" selected, script will exit

DO YOU WISH TO BACKUP THIS FOLDER? (Y/N)? y

*** WANSUPP FOLDER HAS BEEN RENAMED ***
NEW INSTALL

Volume in drive C has no label.
Volume Serial Number is 389D-BF29

Directory of C:\

11/18/2010 11:08 AM <DIR> WANSUPP_20101118_101036
11/18/2010 11:10 AM <DIR> WANSUPP_20101130_233530
12/01/2010 12:36 AM <DIR> WANSUPP_20101130_233943
12/06/2010 01:23 AM <DIR> WANSUPP_20101206_02753
12/09/2010 07:02 PM <DIR> WANSUPP_20101210_150134
12/10/2010 05:19 PM <DIR> WANSUPP_20101210_162700
12/10/2010 04:02 PM <DIR> WANSUPP_20101211_131608
12/13/2010 11:00 AM <DIR> WANSUPP_20101213_102212
12/13/2010 11:22 AM <DIR> WANSUPP_20101213_230212
12/11/2010 02:16 PM <DIR> WANSUPP_20101213_95614
12/13/2010 10:59 AM <DIR> WANSUPP_20101213_95951
12/16/2010 03:54 AM <DIR> WANSUPP_20101216_85636
12/18/2010 09:19 PM <DIR> WANSUPP_20101220_105105
01/06/2011 11:12 PM <DIR> WANSUPP_20110106_222059
01/11/2011 04:46 PM <DIR> WANSUPP_20110112_83242
05/09/2011 12:36 PM <DIR> WANSUPP_20110510_185403
05/10/2011 07:04 PM <DIR> WANSUPP_20110510_191702
05/10/2011 07:26 PM <DIR> WANSUPP_20110510_192707
05/15/2011 07:01 PM <DIR> WANSUPP_20110515_191006
05/15/2011 07:51 PM <DIR> WANSUPP_20110515_200833
0 File(s) 0 bytes
20 Dir(s) 52,028,334,080 bytes free

- PRESS ANY KEY TO CONTINUE -

Press any key to continue . . .

```

- 3 After the backup is complete, press any key, and the upgrade will continue.
- 4 The files and configuration will then be copied into the **WANSUPP** directory and upgrade will transfer the existing configuration files into the new application directory.

Figure 23: Configuration Transfer

```

- PRESS ANY KEY TO CONTINUE -
Press any key to continue . . .
ajbini.cfg
ajbrtsservice.exe
ajbstartx.exe
apar_12943_readme.pdf
buildrel.bat
Cl.C1Zip.dll
cafipay.DLL
cfactory.cfg
changeConfig.bat
compmul.dll
credit.cfg
Decoder.xml
empty
eod_template.cfg
eod_unbalance_template.cfg
epsconsole.cfg
EPSConsol.exe
fcpxn.hosts.inst
ffile.exe
filelist.txt
Filever.exe
FiPaypinCSK.exe
fipaypincs_config.template
fipaypincs_config.xml
fipaypincs_def.cfg
fipaypin_store_stats.dat
gilbarco_inc_wo3304-fipay_direct_licenses_fipaypinv4_apar_12943.zip

```

Figure 24: Transfer Complete

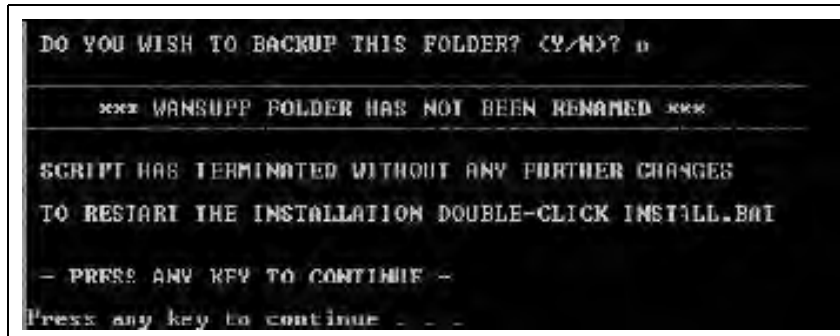
```

C:\FiPay\Gilbarco_Inc_WO3304-FiPay_Direct_Licenses_FipayPinV4_apar_12943.exe
COPYING CONFIGURATION FILES FROM PREVIOUS INSTALLATION
COPYING FIPAYPINC_DEF.CFG FROM C:\WANSUPP_20110515_191006\
TO C:\WANSUPP
1 File(s) copied.
YOUR PREVIOUS CONFIGURATION HAS BEEN APPLIED
Volume in drive C has no label.
Volume Serial Number is 389D-BF29
Directory of C:\WANSUPP
05/18/2011  07:31 PM                268 fipaypincs_def.cfg
               1 File(s)                268 bytes
               0 Dir(s) 52,035,641,344 bytes free
NOTE: PLEASE RUN FIPAYPINC_SK.EXE TO MIGRATE THESE CHANGES
      INTO FIPAYPINC_CONFIG.XML (MASTER CONFIGURATION)
Press any key to continue . . .

```

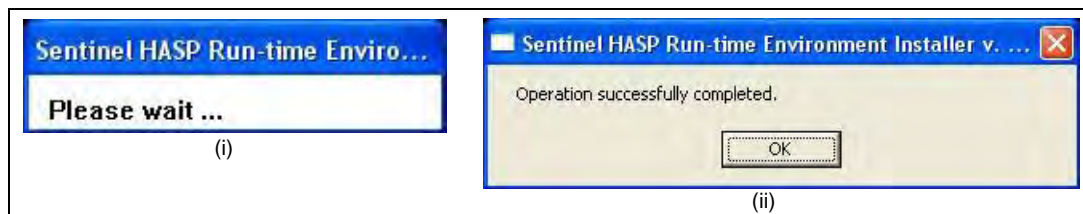
Note: If you had selected NOT to back up your existing installation, then you will see the following message and the installation process will terminate (see [Figure 25](#)).

Figure 25: Alert Message



- 5 After the configuration has been applied, the HASP key driver installation will begin. Press any key to continue the installation process.
- 6 The script will then copy the driver files for the HASP to your computer and make the required configuration changes to your computer for it to operate. At this point, you will see the following two messages (see [Figure 26](#)). The first message indicates that the driver is being loaded and second message indicates that the operation has been successfully completed.

Figure 26: Operation Successful Message



IMPORTANT INFORMATION

The HASP key does not have to be inserted for the drivers to be successfully installed. However, it must be inserted before FiPay service will start and function.

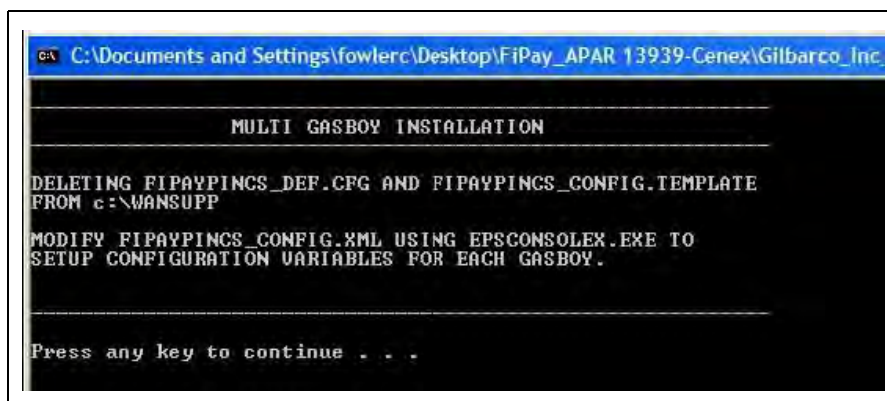
- 7 Press any key to complete the software installation.
- 8 To complete the installation and start the FiPay service, refer to [“Multiple”](#) on [page 25](#).

Multiple

Call Gasboy Technical Assistance Center (TAC) 1-800-444-5529 when using this option.

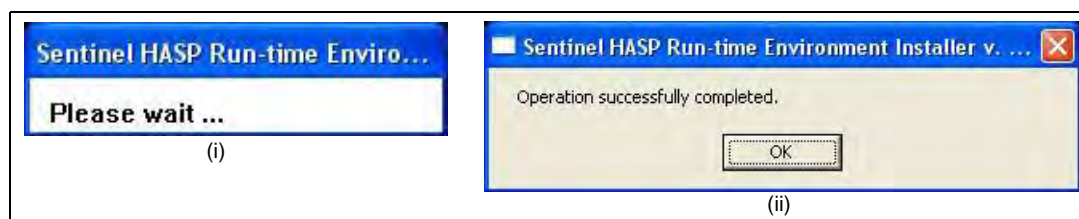
- 1 Enter **M** for the Multi Gasboy option. Following screen will display after the installation files uncompress.

Figure 27: Multi Gasboy Installation



- 2 Press any key to continue with the installation.
- 3 The HASP key driver installation will begin. Press any key to continue the installation process.
- 4 The script will then copy the driver files for the HASP to your computer and make the required configuration changes to your computer for it to operate. At this point, you will see the following two messages (see Figure 28). The first message indicates that the driver is being loaded and second message indicates that the operation has been successfully completed.

Figure 28: Operation Successful Message



IMPORTANT INFORMATION

The HASP key does not have to be inserted for the drivers to be successfully installed. However, it must be inserted before FiPay service will start and function.

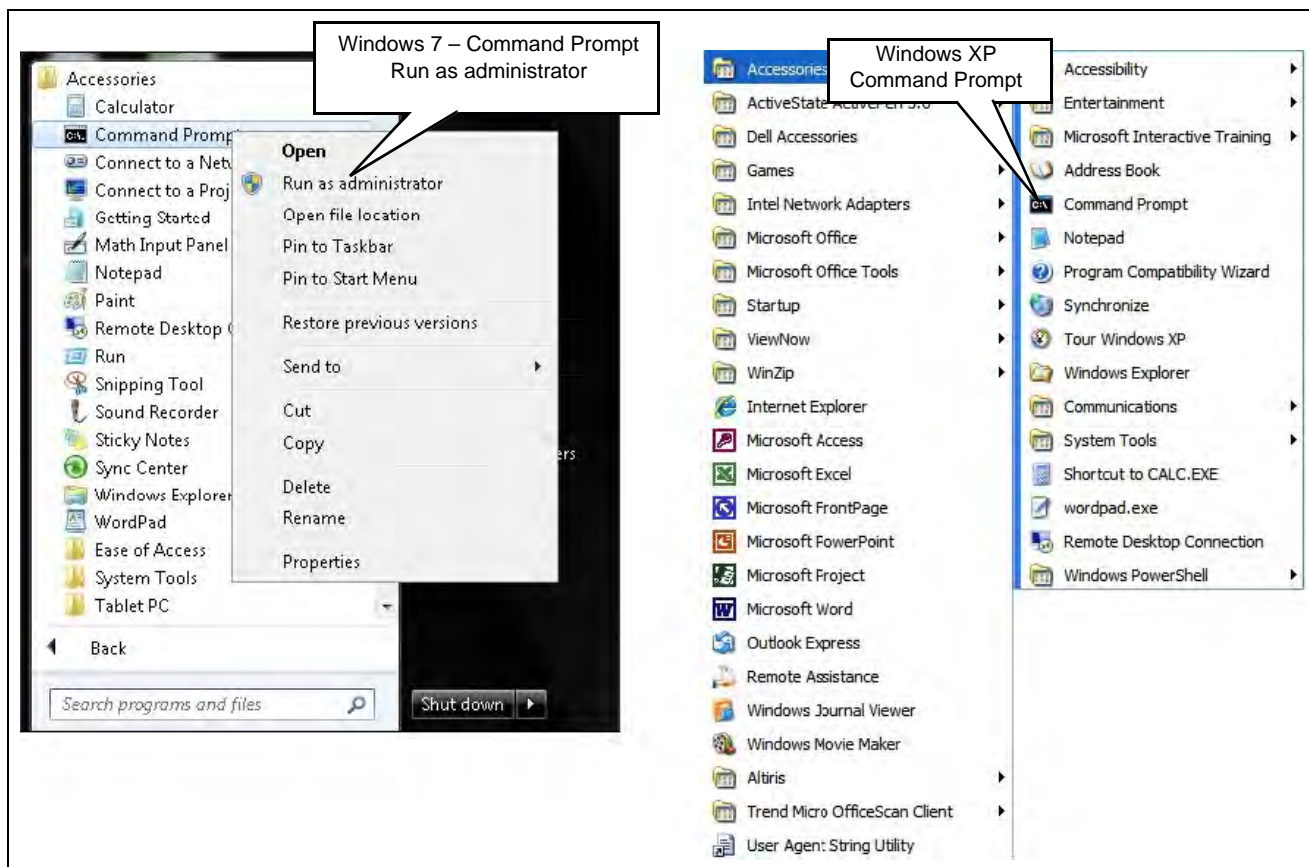
- 5 Press any key to complete the software installation.
- 6 Call Gasboy TAC 1-800-444-5529 when using this option.

Service Install Verification and Start-up

At this point, the installation files and configuration files have been saved or transferred to the new WANSUPP folder. Now the FIPAYPINCS_CONFIG.XML file must be created for the FiPay software and service to run.

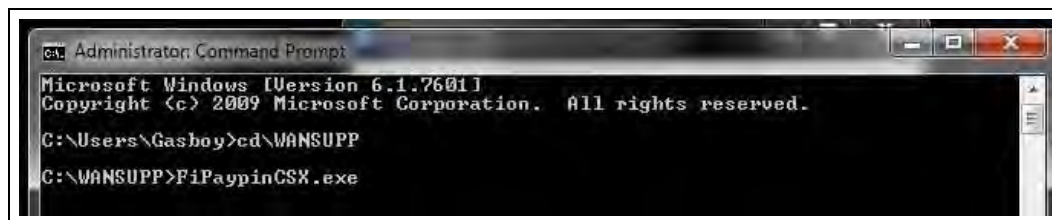
- 1 Open a Command Prompt (MS-DOS window). Click **Start > Programs > Accessories > Command Prompt**. If **Windows 7**, right-click the **Command Prompt** and select **Run as administrator**.

Figure 29: Open a Command Prompt Window



- 2 Navigate to the WANSUPP directory using the MS-DOS window. From the drive where Fipay has been installed, enter **cd\WANSUPP** and press **Enter**.

Figure 30: Navigating to WANSUPP



- ### Figure 31: FiPaypinCSX Successful

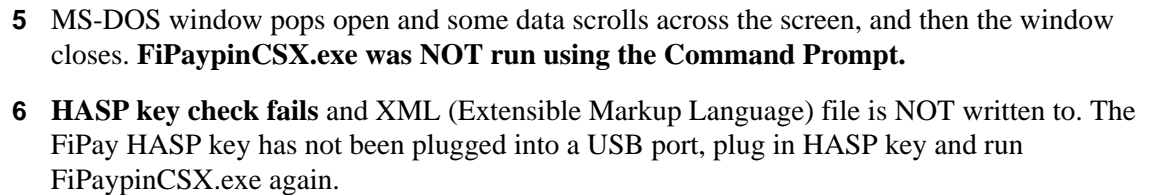
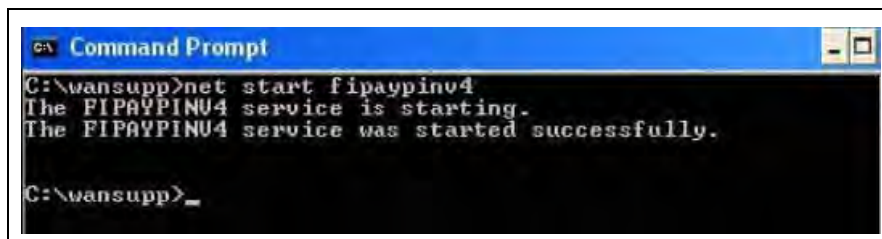


Figure 32: HASP Key Error



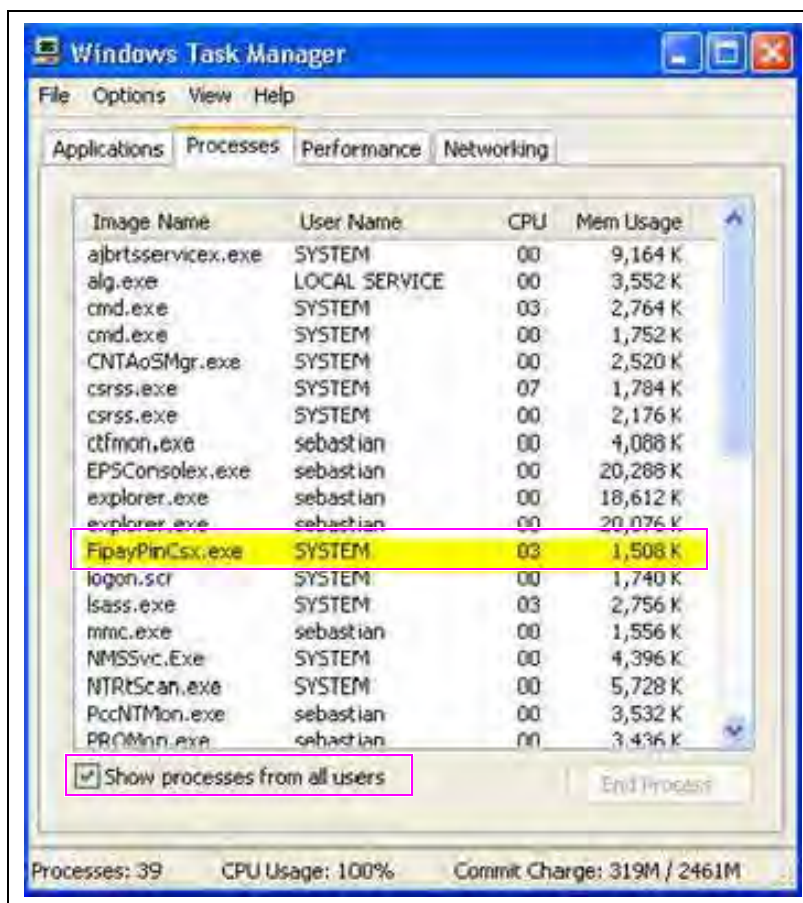
- 7 Start the FiPay service. From a command prompt, navigate to the **C:\wansupp** directory and then type **net start fipaypinv4**.

Figure 33: Starting FiPAYPINV4



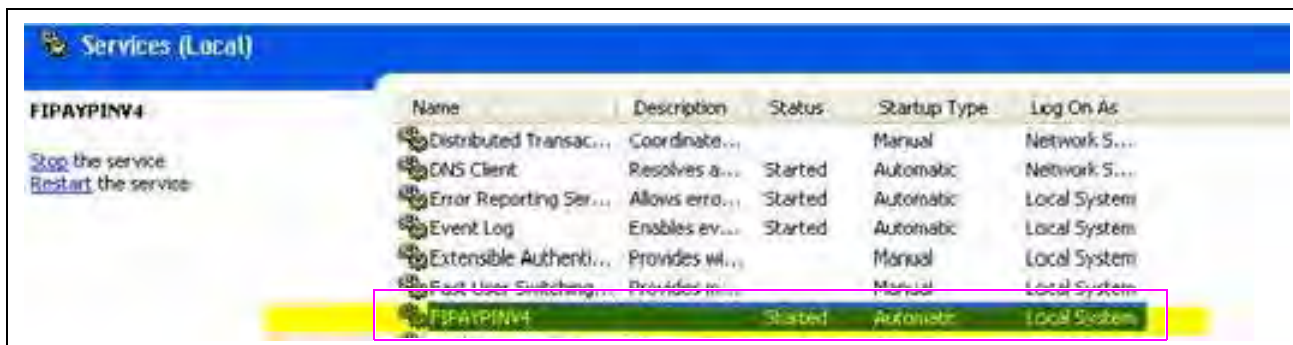
- 8 Verify if the **FipayPinCsx** process has started by using Windows Task Manager. Ensure that the "Show processes from all users" checkbox is selected.

Figure 34: Windows Task Manager



- 9 You can also start and stop the service from Windows Services (see [Figure 35](#)) or verify if it is running.

Figure 35: Windows Services



- 10 With the Windows Service running, the FiPay software is ready to accept Credit cards.

IMPORTANT INFORMATION

The FiPay software has a built in Graphical User Interface (GUI) for stopping and starting the FIPAYPINV4 service. For details about a GUI interface that can be used for starting and stopping the FiPay service, refer to [“Appendix B: Running EPS Consolex GUI Utility”](#) on [page 55](#).

Configuring Windows Firewall

- 11 If you are using Windows Firewall (or other equivalent software), you may have to create an exception for the FiPay port (24900) to function. For Windows Firewall, refer to the following example. For other firewalls, refer to its documentation for information on how to open a TCP/IP port.

Note: You can perform a similar sequence on your specific firewall if you are not using Windows Firewall. Note that you may have more than one firewall in some cases. Ensure that you check each firewall instance for proper setup.

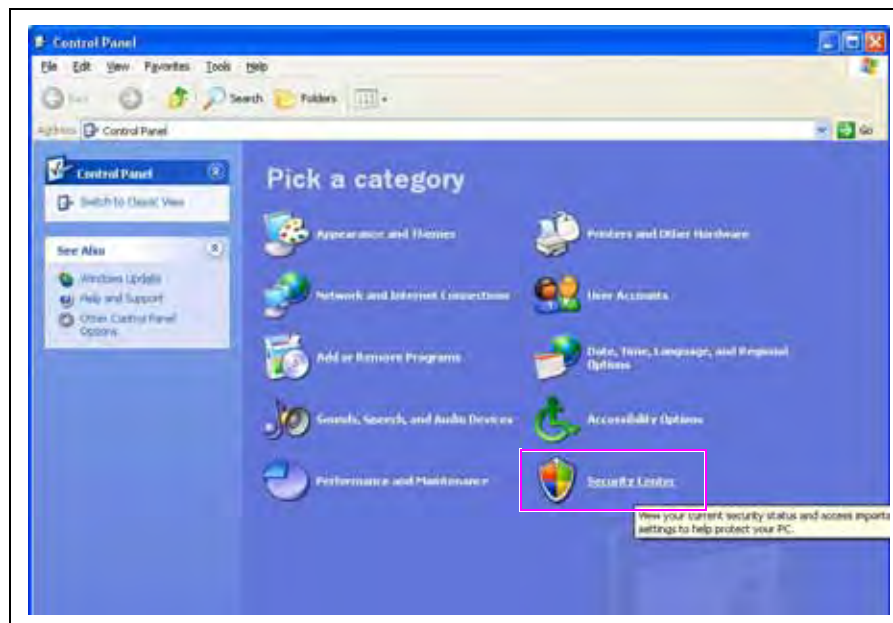
Setting Windows XP Exception

To set Windows XP Exception, proceed as follows:

- 12 From the Start Menu, select **Control Panel**.

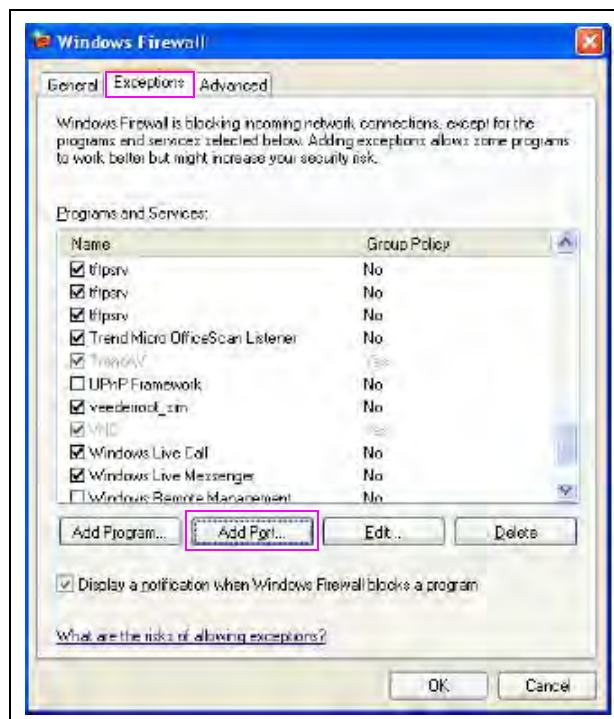
Figure 36: Control Panel



13 Select Security Center.**Figure 37: Security Center****14 Select Windows Firewall.****Figure 38: Windows Firewall**

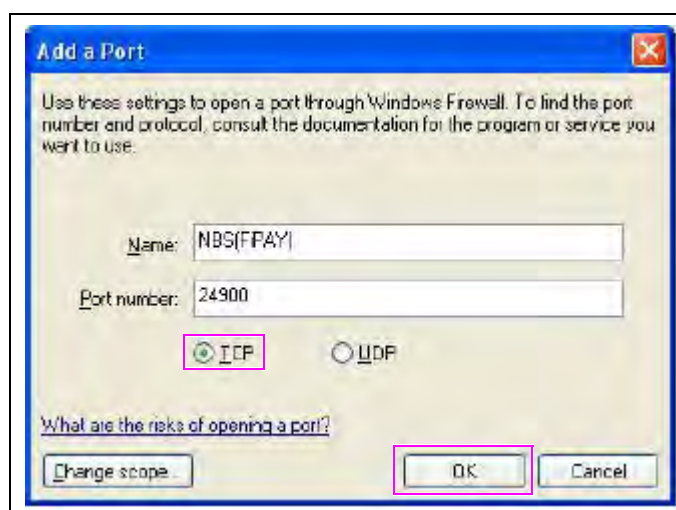
- 15 Click the **Exceptions** tab and click **Add Port**.

Figure 39: Exceptions Tab



- 16 Enter the Name as NBS(FiPAY), Port Number as 24900, and click the **TCP** option.
- 17 Click **OK** to save the exception.

Figure 40: Add a Port Window



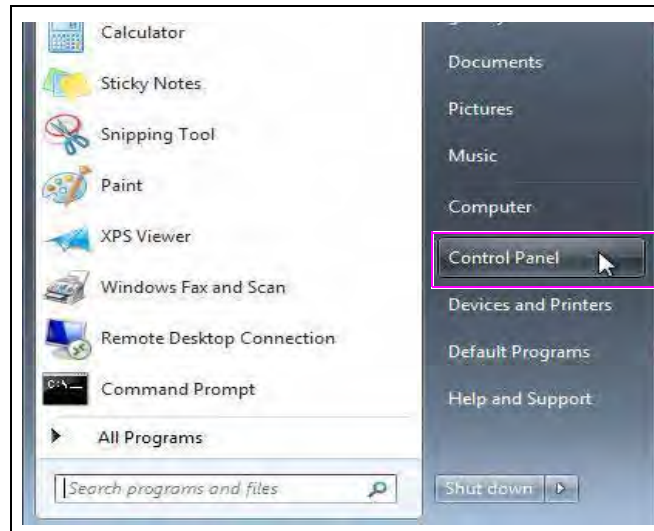
Setting Windows 7 Firewall Exception

To set up an exception in the firewall for Windows 7, select **Control Panel > System > Security > Windows Firewall**. If you do not have access to these menus, contact your IT administrator for the proper rights to make the following changes.

To set Windows 7 Firewall Exception, proceed as follows:

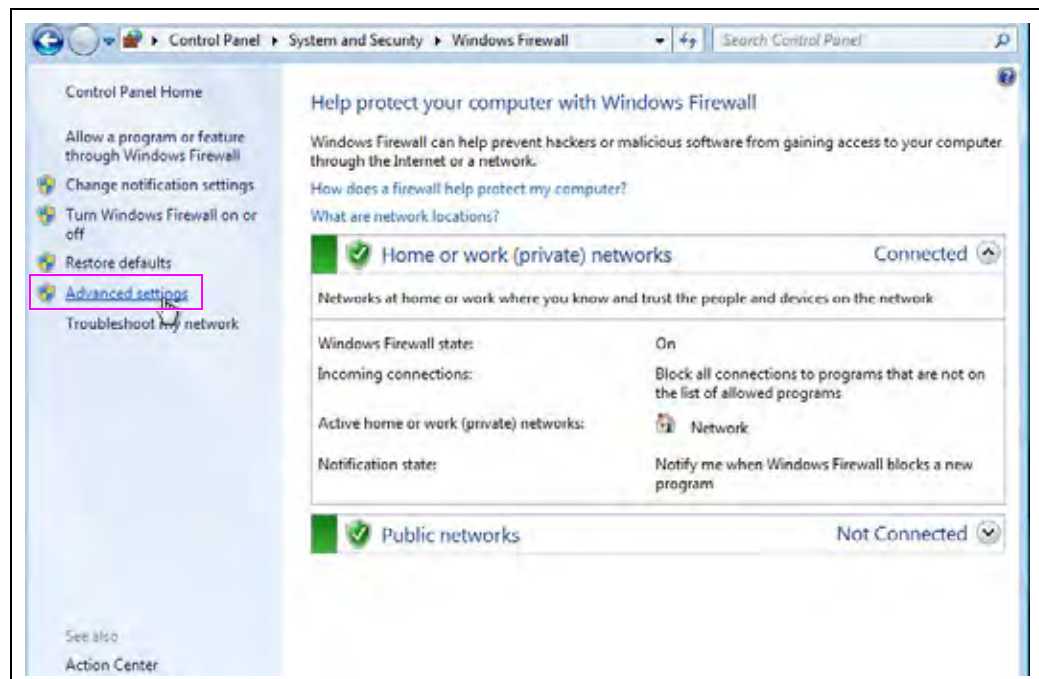
- 18 From the Start Menu, select **Control Panel**.

Figure 41: Control Panel



- 19 Select **Advanced settings**.

Figure 42: Windows Firewall



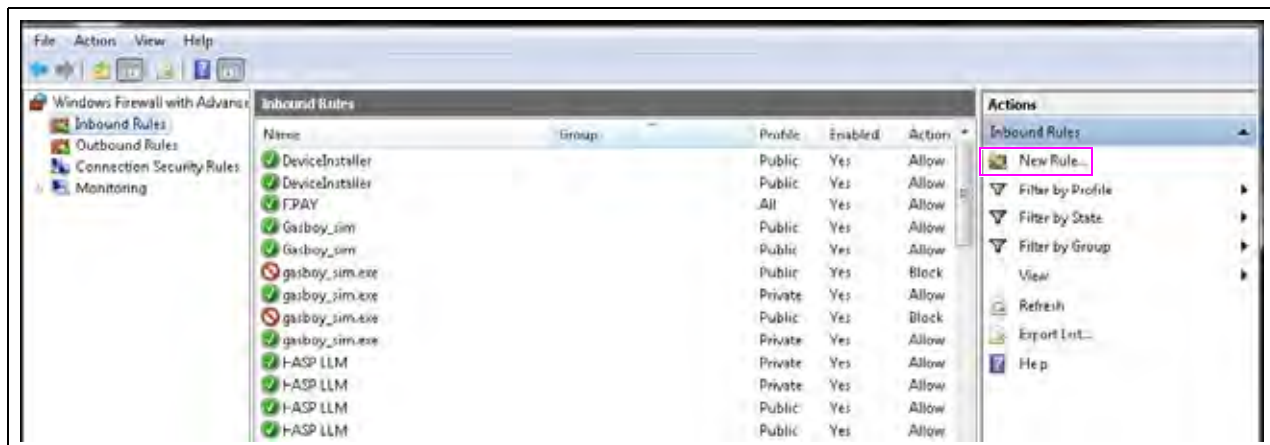
20 Select **Inbound Rules**.

Figure 43: Advanced Setting Screen



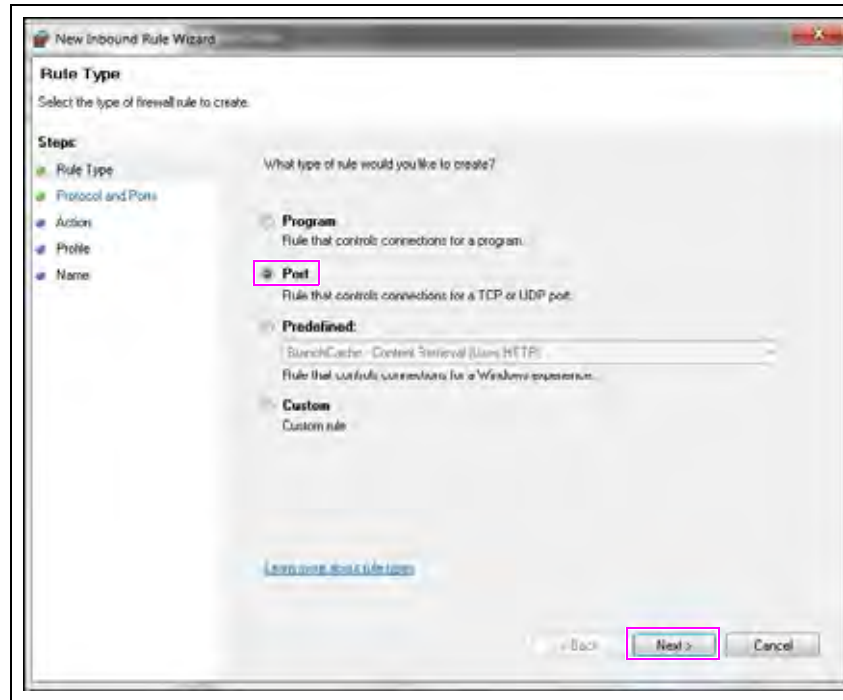
21 From the Inbound Rules screen, select **New Rule**.

Figure 44: Inbound Rules screen



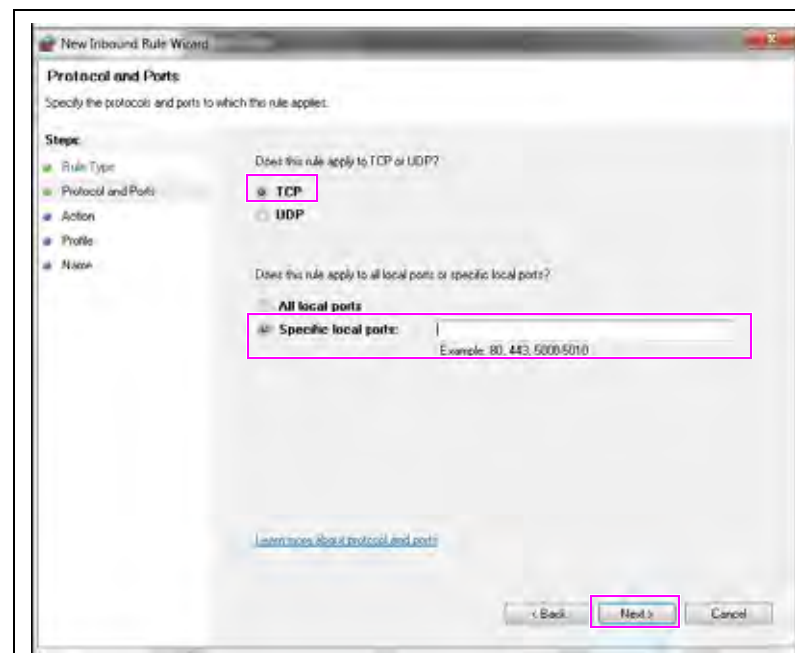
- 22 Follow the New Rule Wizard on the **Rule type** screen. Select the **Port** radio button. Click the **Next** button.

Figure 45: Rule Type Screen 1



- 23 On the Ports and Protocol screen, select the **TCP** and **Specific local ports:** radio buttons. Enter the FiPay port typically **24900**. Click the **Next** button.

Figure 46: Rule Type Screen 2



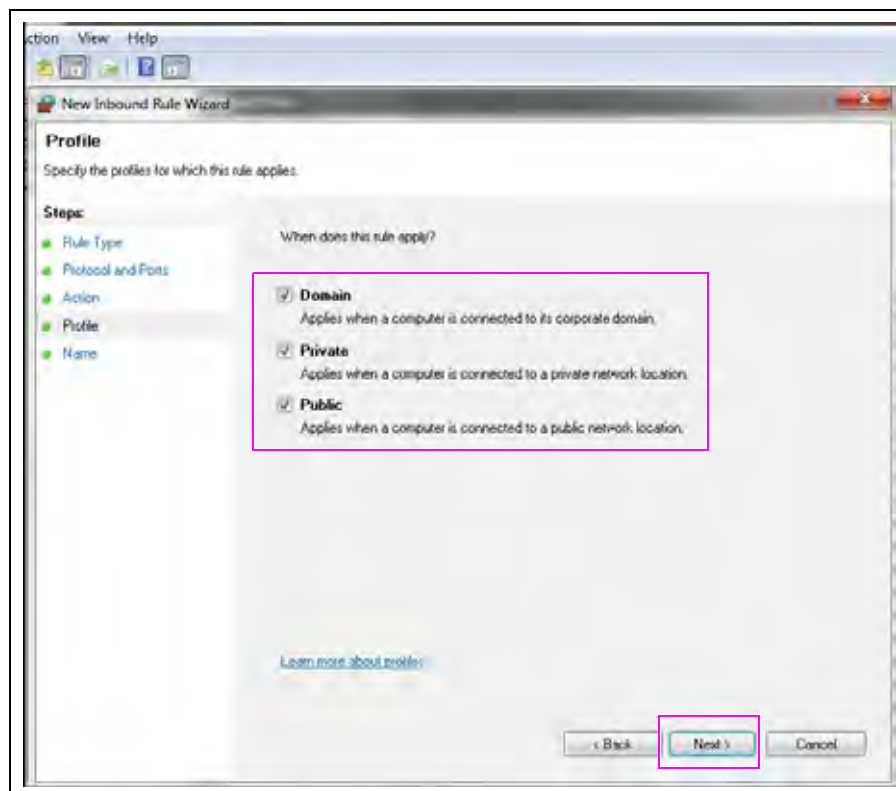
- 24 On the Action screen, select the **Allow the connection** radio button. Click the **Next** button.

Figure 47: Action Screen



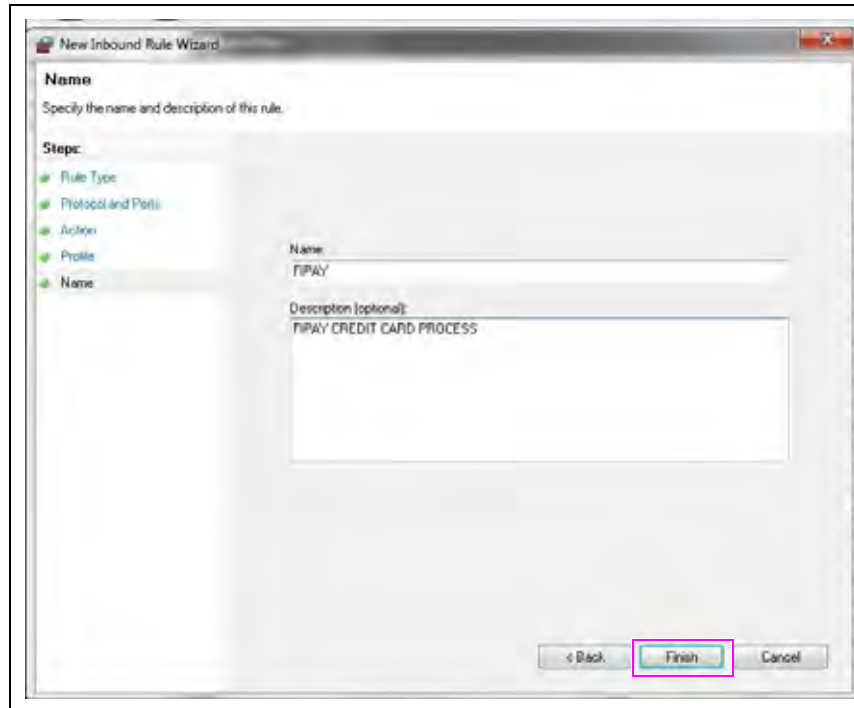
- 25 On the Profile screen, select all the three checkboxes: Domain, Private, and Public. Click the **Next** button.

Figure 48: Profile Screen



- 26** On the **Name** screen, enter a name (typically FIPAY) and add a description. Click the **Finish** button.

Figure 49: Name Screen

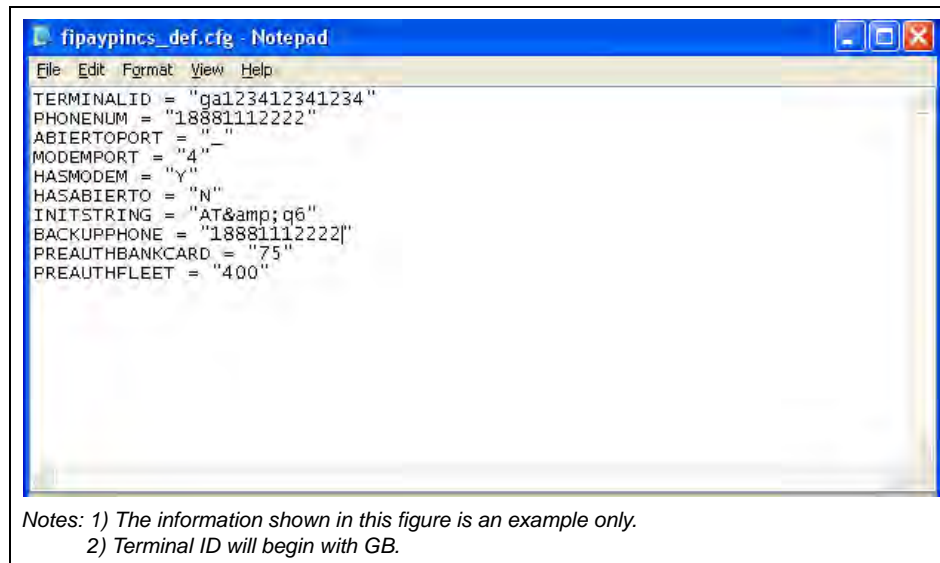


Making Changes to the FiPay Configuration (MS-DOS Prompt)

FiPay is configured through an XML file that is created and managed during the installation process. If any changes are required from the default setting after the installation has been completed, proceed as follows:

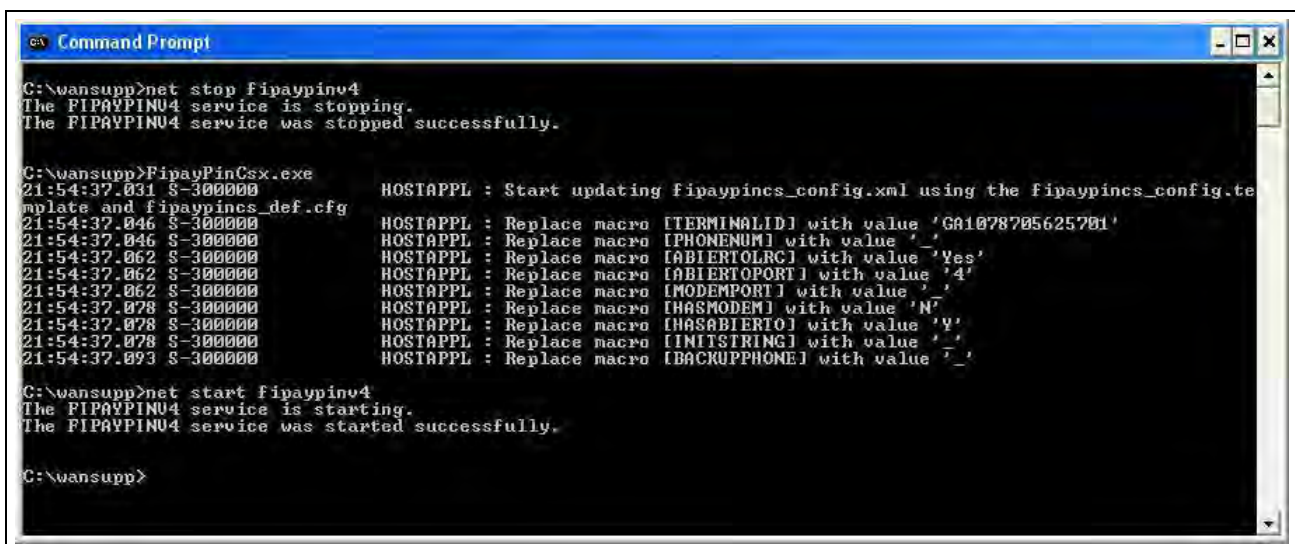
- 1 Edit the “fipayincs_def.cfg” file and make a change to the settings made during the installation script.

Figure 50: Editing fipayincs_def.cfg File



- 2 Stop the FIPAYPINV4 service, push the changes into the main XML table using the “FipayPinCsx.exe” program and then restart the FIPAYPINV4 service (see [Figure 51](#)).

Figure 51: Restarting FIPAYPINV4 Service



Disabling Bank Cards at the Island During the Evening

Currently, this feature is not built into FiPay. However, it can be done with a command prompt or with couple of batch files and Windows Scheduler. Run a batch file that runs “net stop xxxxx” and then another one that restarts the service with “net start xxxxx”.

Command Prompt... STOP service to shutdown the FiPay application.

Figure 52: Stopping FiPay Application




```
C:\Documents and Settings\hard>net stop fipaypinv4
The FIPAYPINU4 service is stopping.
The FIPAYPINU4 service was stopped successfully.

C:\Documents and Settings\hard>_
```

Command Prompt... START service to restore FiPay operations.

Figure 53: Starting FiPay Operations



```
C:\Documents and Settings\hard>net start fipaypinv4
The FIPAYPINU4 service is starting.
The FIPAYPINU4 service was started successfully.

C:\Documents and Settings\hard>_
```

Settlement for NBS

How Settlement Works

There will be a settlement (sometimes referred as a batch or batch balance) done with NBS at least once a day. This settlement can be accomplished automatically and is set up through ISL+ by navigating to **SETUP > ADVANCED > GLOBAL > ADVANCED > End of Day**.

Figure 54: End of Day Window



Settlement is done to post the day's sales for billing and to check the system's totals against NBS to verify if the systems agree. You must pay close attention to the settlement reports and contact NBS for any discrepancy. You must do a settlement to receive payment for credit purchases.

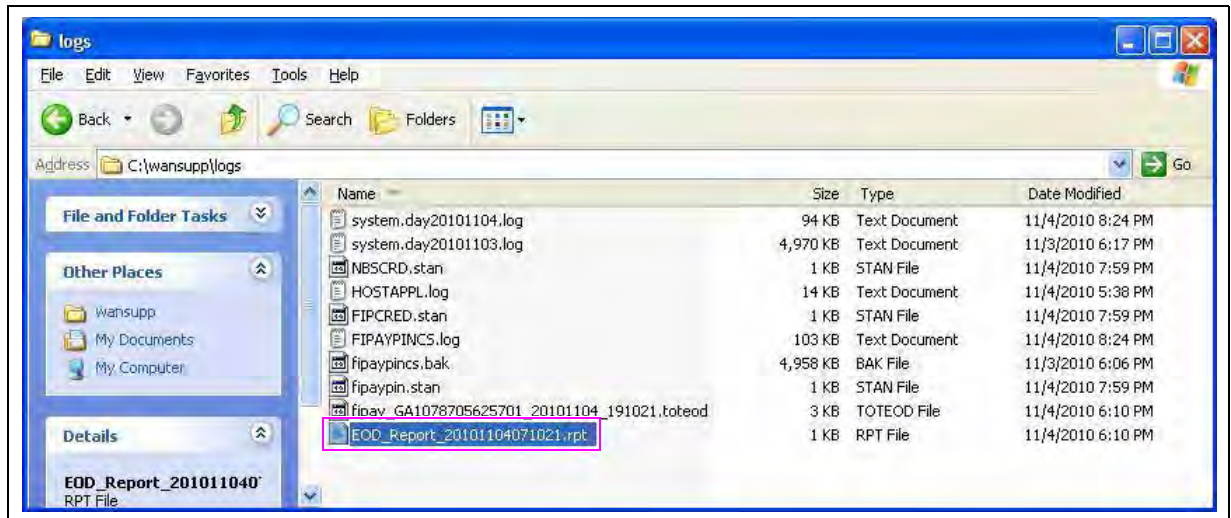
The settlement results will be either Settlement **BALANCED** or Settlement **OUT OF BALANCE**. If an out-of-balance situation occurs, consult your NBS representative to resolve the error.

When a settlement is executed manually or automatically, a report will be generated on the FiPay controller PC in a text file. The saved files will be stored in the **C:\wansupp\logs** directory and files will be named **EOD_Report_yyyymmddhhmmss.rpt**.

Where,

- yyyy = Year
- mm = Month
- dd = Day
- hh = Hour
- mm = Minutes
- ss = Seconds

Figure 55: Typical EOD Report File Format



Settlement Report

The report for settlement which is printed on the log and stored on the disk is shown in [Figure 56](#).

Note: TRANSACTION IN BALANCE indicates that all has settled properly.

Figure 56: Settlement Report

COLUMNS NAME	BANK TOTAL	FIPAY TOTAL
Number of purchase transactions	1	1
Total amount of purchase transactions	\$ 0.03	\$ 0.03
Total count	1	1
Net amount	\$ 0.03	\$ 0.03
TRANSACTION IN BALANCE		

Occasionally, NBS may initially authorize the use of a card but when the transaction is completed, the NBS will reject the completion of that transaction. In this unlikely event, the message, “Settlement, OUT OF BALANCE, site sent xx.xx” appears.

The OUT OF BALANCE report for settlement which is printed on the log and stored on disk is shown in [Figure 57](#).

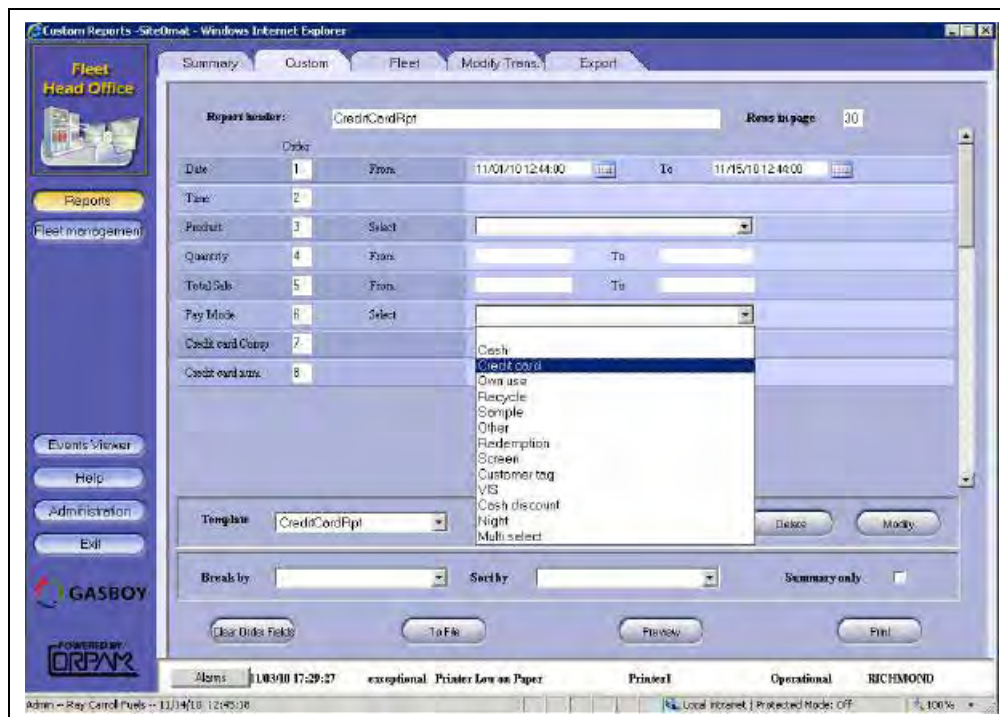
Figure 57: Not in Balance Message



FHO Reporting

When there are no real changes to the FHO for FiPay and NO CARD data is stored in the FHO, there are some reports now available for Credit Transactions through the CUSTOM reports tab. To obtain some sample reports that will give you Credit Card Sales information, see [Figure 58](#).

Figure 58: Credit Card Sales Information



A sample report is shown in [Figure 59](#).

Figure 59: Sample Report

Report period: 11/01/10 12:00:00 To: 11/30/10 12:00:00

Seq. No.	Date	Time	Balance	Quantity	Total Inv.	Card No.	Credit Card Comp.	Credit Card Name
1	11/01/10	12:00:00	B-10	15.710	40.00	Credit card	VERA	VERA
2	11/01/10	12:00:00	DYED DCL	5.000	15.00	Credit card	VERA	VERA
3	11/01/10	12:00:00	DYED DCL	5.000	15.00	Credit card	VERA	VERA
4	11/01/10	12:00:00	CLEAR DCL	15.350	40.00	Credit card	VERA	VERA
5	11/01/10	12:00:00	B-10	11.155	29.10	Credit card	DISCOVER	DISCOVER
6	11/01/10	12:00:00	B-10	23.668	29.10	Credit card	VERA	VERA
7	11/01/10	12:00:00	CLEAR DCL	6.015	29.10	Credit card	VERA	VERA
8	11/01/10	12:00:00	B-10	0.000	0.00	Credit card	VERA	VERA
9	11/01/10	12:00:00	B-10	11.660	29.10	Credit card	VERA	VERA
10	11/01/10	12:00:00	CLEAR DCL	0.000	0.00	Credit card	VERA	VERA
11	11/01/10	12:00:00	B-10	13.275	29.10	Credit card	VERA	VERA
12	11/01/10	12:00:00	B-10	25.400	65.37	Credit card	VERA	VERA
13	11/01/10	12:00:00	B-10	10.295	43.00	Credit card	VERA	VERA
14	11/01/10	12:00:00	DYED DCL	75.200	210.00	Credit card	VERA	VERA
15	11/01/10	12:00:00	CLEAR DCL	41.700	123.07	Credit card	VERA	VERA
16	11/01/10	12:00:00	B-10	23.000	64.70	Credit card	VERA	VERA
17	11/01/10	12:00:00	DYED DCL	3.330	13.33	Credit card	VERA	VERA
18	11/01/10	12:00:00	B-10	13.435	28.34	Credit card	VERA	VERA
19	11/01/10	12:00:00	B-10	11.310	28.34	Credit card	VERA	VERA

Error Message Info

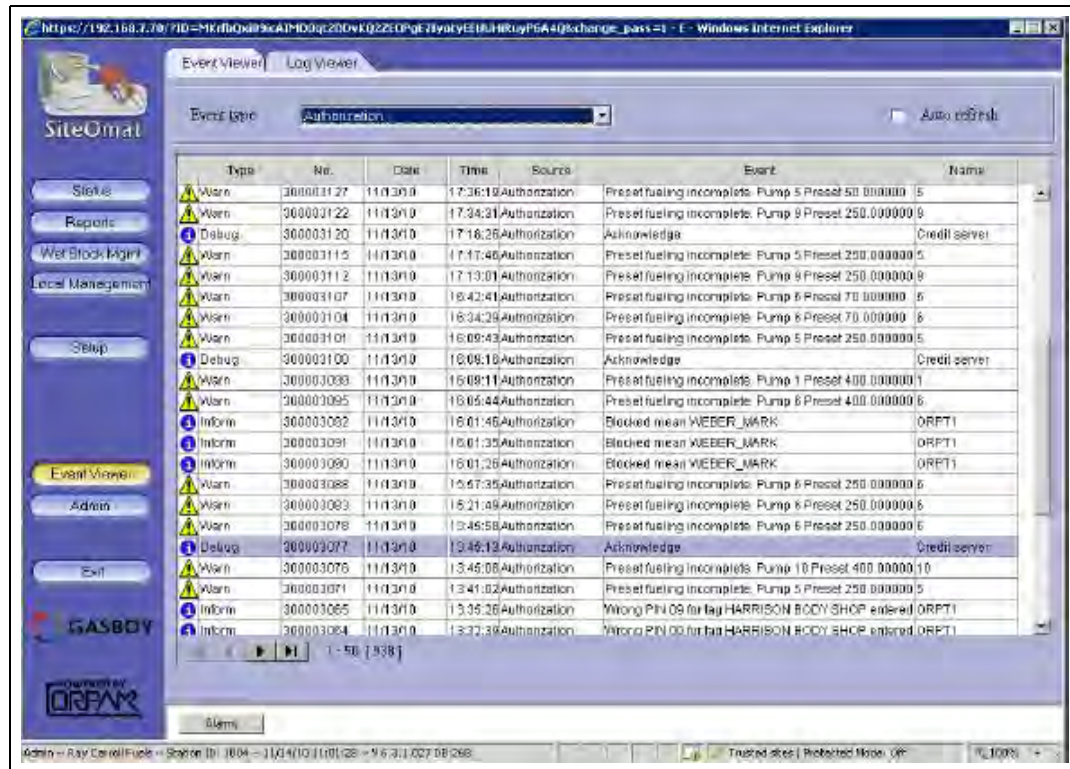
If there is a configuration error in the XML file created by the installation process, [Figure 60](#) appears. Record the error and report it to the Gasboy Technical Services Help Desk for assistance in resolving.

Figure 60: Error Message Information



When reviewing the Event Log of the SiteOmat, you will see some messages such as acknowledging the swipe of a credit card... noted as CREDIT SERVER.

Figure 61: Event Viewer

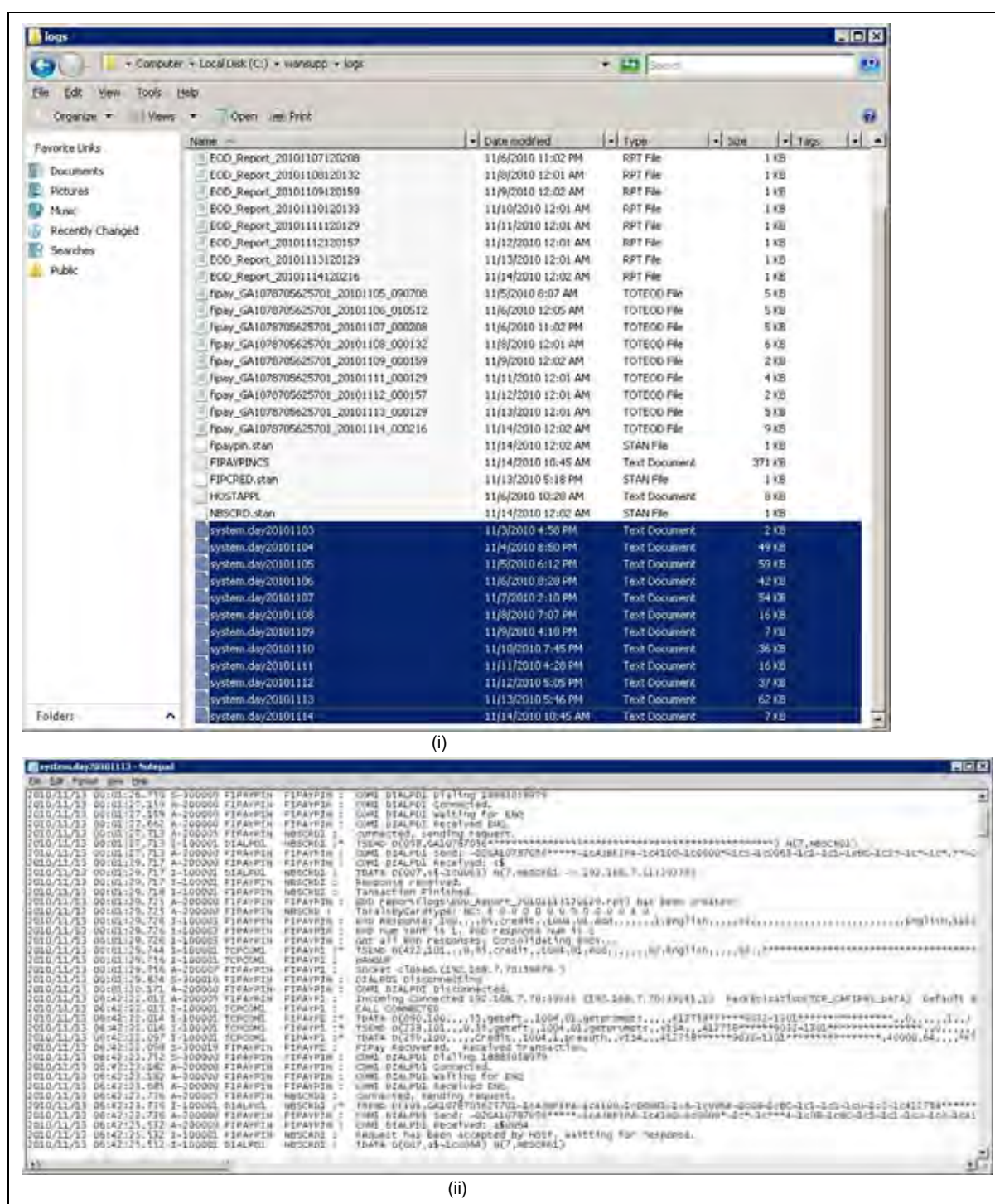


Debug Info

Log Files

FiPay keeps a detailed log of all transactions processed in the **C:\WANSUPP\LOGS** directory. Files are saved as “system.davvvvvmmdd” (for example, system.dav20101113).

Figure 62: Log Files



Testing for HASP Key Operation

If the software is run and the HASP key is present and working, you will see the following information in the “Hostappl.log” file.

Figure 63: Software Information with HASP Key

```
C:\VANSUPP>F:\app\ncs.exe
10:46:02.941 S-3000000 HOSTAPPL : Start checking the HASP key...
XXX appending C:\VANSUPP\hasp_windows_94025.dll
10:46:03.066 S-3000000 HOSTAPPL : Add Hasp Key exists past the software protection successfully.
10:46:03.066 S-3000000 HOSTAPPL : Start updating fipaypinacnfig.xml using the fipaypinacnfig.template and fipaypinacnfig.cpy
10:46:03.066 S-3000000 HOSTAPPL : Replace macro [FEDERALID01] with value '1'
10:46:03.082 S-3000000 HOSTAPPL : Replace macro [PHONEIN01] with value '2'
10:46:03.082 S-3000000 HOSTAPPL : Replace macro [ADIERIOPORT] with value '1'
10:46:03.082 S-3000000 HOSTAPPL : Replace macro [ADIERIOPORT] with value '2'
10:46:03.097 S-3000000 HOSTAPPL : Replace macro [HASMODEN01] with value '0'
10:46:03.097 S-3000000 HOSTAPPL : Replace macro [HASMODEN01] with value '2'
10:46:03.097 S-3000000 HOSTAPPL : Replace macro [INITSTRMG1] with value '2'
10:46:03.097 S-3000000 HOSTAPPL : Replace macro [BACKUPPHONE1] with value '2'
10:46:03.113 S-3000000 HOSTAPPL : Replace macro [REDIALTRY1] with value '1'
10:46:03.113 S-3000000 HOSTAPPL : Replace macro [FIPATIMEOUT1] with value '1'
10:46:03.113 S-3000000 HOSTAPPL : Replace macro [FIPATIMEOUT1] with value '2'
10:46:03.129 S-3000000 HOSTAPPL : Replace macro [FIPATIMEOUT1] with value '1'
10:46:03.129 S-3000000 HOSTAPPL : Replace macro [FIPATIMEOUT1] with value '2'
10:46:03.132 S-2000002 ICPCOM HOSTAPPL : ICPCOM Starting .... port=29101 $Version=4.1.4105.22809 $Release: 2011/07/29 01:40:10 PM Local
Starting a listener for port 24900
Starting a listener for port 26099
```

If the software is run without the HASP Key installed, you will see the following information in the “Hostappl.log” file (see [Figure 64](#)).

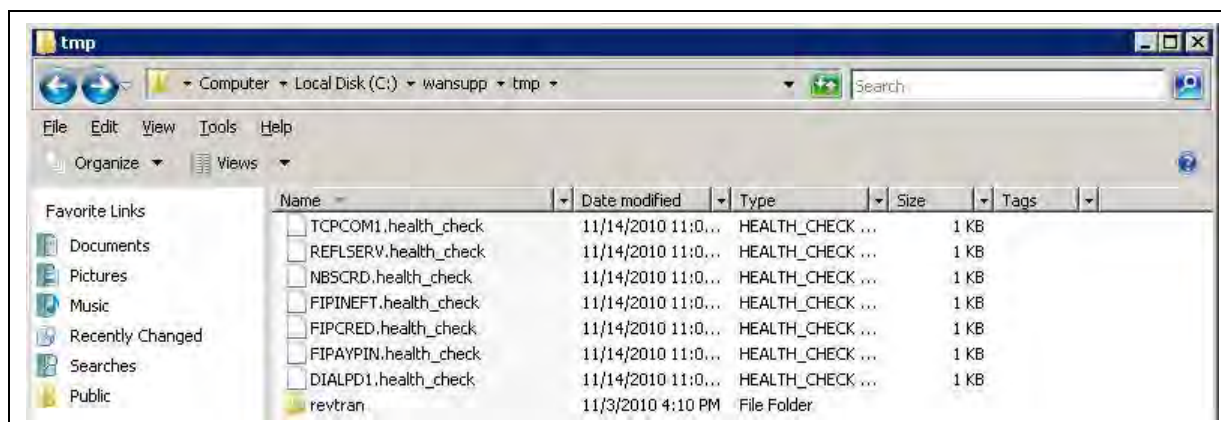
Figure 64: Software Information without HASP Key

```
C:\VANSUPP>F:\app\ncs.exe
10:45:27.300 S-3000000 HOSTAPPL : Start checking the HASP key...
XXX appending C:\VANSUPP\hasp_windows_94025.dll
10:45:27.394 S-3000000 HOSTAPPL : Failed to check the Hasp Key. Error Code = ContainerNotFound
10:45:27.394 S-3000000 HOSTAPPL : Failed for the software protection checking. Exiting.
C:\VANSUPP>
```

Health Check Files

The health check files are used to monitor the status of the individual processes/nodes. These files do not contain any data in them, we simply use them by looking at the modified date stamp. Each process updates its own health check file and if one fails to update in a given period of time, then that process or processes will be recycled/restarted. If you want to delete any of them, that process will restart and re-create the health check file.

Figure 65: Health Check Files



Appendix A: NACS/PCAT Product Reference Tab

Description	Code
Not Used	0
Motor Fuels	001-099
Unleaded Regular	001
Unleaded Plus	002
Unleaded Super	003
Unleaded 4	004
Unleaded 5	005
Unleaded Methanol (5.7% Blend)	006
Unleaded Plus Methanol (5.7% Blend)	007
Super Unleaded Methanol (5.7% Blend)	008
Unleaded Methanol (7.7% Blend)	009
Unleaded Plus Methanol (7.7% Blend)	010
Unleaded Ethanol (5.7% Blend)	011
Unleaded Plus Ethanol (5.7% Blend)	012
Super Unleaded Ethanol (5.7% Blend)	013
Unleaded Ethanol (7.7% Blend)	014
Unleaded Plus Ethanol (7.7% Blend)	015
Methanol/Leaded	016
Ethanol/Leaded	017
Leaded	018
Regular Diesel #2	019
Premium Diesel #2	020
Diesel #1	021
Compressed Natural Gas	022
Liquid Propane Gas	023
Liquid Natural Gas	024
M-85	025
E-85	026
Unleaded - Reformulated 1	027
Unleaded - Reformulated 2	028
Unleaded - Reformulated 3	029
Unleaded - Reformulated 4	030
Unleaded - Reformulated 5	031
Diesel Off-road (#1 and #2 Non-taxable)	032
Ultra Low Sulfur Diesel Off-road (Non-taxable)	033
Biodiesel Blend Off-road (Non-taxable)	034
Ultra Low Sulfur Biodiesel Blend Off-road (Non-taxable)	035
Racing Fuel	036
Super Unleaded Methanol (7.7% Blend)	037
Unleaded Methanol (10% Blend)	038
Unleaded Plus Methanol (10% Blend)	039

Description	Code
Super Unleaded Methanol (10% Blend)	040
Super Unleaded Ethanol (7.7% Blend)	041
Unleaded Ethanol (10% Blend)	042
Unleaded Plus Ethanol (10% Blend)	043
Super Unleaded Ethanol (10% Blend)	044
B2 Diesel Blend 2% Biodiesel	045
B5 Diesel Blend 5% Biodiesel	046
B10 Diesel Blend 10% Biodiesel	047
B11 Diesel Blend 11% Biodiesel	048
B15 Diesel Blend 15% Biodiesel	049
B20 Diesel Blend 20% Biodiesel	050
B100 Diesel Blend 100% Biodiesel	051
Ultra Low Sulfur #1	052
Ultra Low Sulfur #2	053
Ultra Low Sulfur Premium Diesel #2	054
Ultra Low Sulfur Biodiesel Blend 2%	055
Ultra Low Sulfur Biodiesel Blend 5%	056
Ultra Low Sulfur Biodiesel Blend 10%	057
Ultra Low Sulfur Biodiesel Blend 11%	058
Ultra Low Sulfur Biodiesel Blend 15%	059
Ultra Low Sulfur Biodiesel Blend 20%	060
Ultra Low Sulfur Biodiesel Blend 100%	061
DEF	062
Undefined Fuel—Reserved for PCATS Future Use	063-070
Undefined Fuel—Reserved for Proprietary Use	071-098
Miscellaneous Fuel	099
Automotive Products/Services	100-149
General Automotive Merchandise	100
Motor Oil	101
Car Wash	102
Oil Change	103
Oil Filter	104
Work Order	105
Anti-freeze	106
Washer Fluid	107
Brake Fluid	108
Tires	109
Federal Excise Tax (Tires)	110
Tire Rotation	111
Batteries	112
Lube	113
Inspection	114
Labor	115
Towing	116

Description	Code
Road Service	117
Auto Accessories	118
Auto Parts	119
Preventative Maintenance	120
Air Conditioning Service	121
Engine Service	122
Transmission Service	123
Brake Service	124
Exhaust Service	125
Body Work	126
Automotive Glass	127
Synthetic Oil	128
Lamps	129
Wipers	130
Hoses	131
Tire-related (Wheel Balance, Valve Stem)	132
Repairs	133
Service Package	134
Automotive Parking	135
Truck Tank Cleaning	136
Other Lubricants	137
Automotive Fuel Additives/Treatment (Injected)	138
Vehicle Rental	139
Air Filter	140
Vehicle Prep	141
Fuel System	142
Undefined Parts/Service—Reserved for Proprietary Use	143-148
Miscellaneous Parts/Service	149
Aviation Fuels	150-174
Jet Fuel	150
Aviation Fuel Regular	151
Aviation Fuel Premium	152
Aviation Fuel JP8	153
Aviation Fuel 4	154
Aviation Fuel 5	155
Undefined Aviation Fuel—Reserved for PCATS Future Use	156-167
Undefined Aviation Fuel—Reserved for Proprietary Use	168-173
Miscellaneous Aviation Fuel	174
Aviation Products/Services	175-224
Storage	175
Aircraft Ground Handling	176
Aircraft Ground Power Unit	177
Aircraft Labor	178
Aircraft Work Order	179

Appendix A: NACS/PCAT Product Reference Tab

Description	Code
Aircraft Maintenance	180
Aircraft Service	181
Transportation	182
De-icing	183
Ramp Fees	184
Catering	185
Hangar Fee	186
Landing Fee	187
Call Out Fee	188
Aircraft Rental	189
Instruction Fee	190
Flight Plans/Weather Brief	191
Charter Fee	192
Communication Fee	193
Aircraft Cleaning	194
Cargo Handling	195
Aircraft Accessories	196
Pilot Supplies	197
Aircraft Parking Fees	198
Aircraft Tiedown Fees	199
Aircraft Sanitation Fees	200
Aircraft Fuel Additive	201
Undefined Aviation-Reserved for PCATS Future Use	202-215
Undefined Aviation-Reserved for Proprietary Use	216-223
Miscellaneous Aviation	224
Marine Fuels	225-249
Marine Fuel 1	225
Marine Fuel 2	226
Marine Fuel 3	227
Marine Fuel 4	228
Marine Fuel 5	229
Marine - Other	230
Undefined Marine Fuel-Reserved for PCATS Future Use	231-242
Undefined Marine Fuel-Reserved for Proprietary Use	243-248
Miscellaneous Marine Fuel	249
Marine Products/Services	250-299
Marine Service	250
Marine Labor	251
Marine Work Order	252
Launch Fee	253
Slip Rental	254
Undefined Marine Services-Reserved for PCATS Future Use	255-280
Undefined Marine Services-Reserved for Proprietary Use	281-298
Miscellaneous Marine Service	299

Description	Code
Other Fuels	300-399
Kerosene - Low Sulfur	300
White Gas	301
Heating Oil	302
Bottled Propane	303
Other Fuel (Non-taxable)	304
Kerosene - Ultra Low Sulfur	305
Kerosene - Low Sulfur (Non-taxable)	306
Kerosene - Ultra Low Sulfur (Non-taxable)	307
Undefined Other Fuel-Reserved for PCATS Future Use	308-380
Undefined Other Fuel-Reserved for Proprietary Use	381-398
Miscellaneous Other Fuel	399
Merchandise	400-599
General Merchandise	400
General Ice	401
General Undefined-Reserved for PCATS Future Use	402-409
General Tobacco	410
Cigarettes	411
Tobacco - Other	412
Undefined Tobacco-Reserved for PCATS Future Use	413-417
Undefined Tobacco-Reserved for Proprietary Use	418-419
General Packaged Beverage	420
Packaged Beverages (non-alcoholic)	421
Juice	422
Other Packaged Beverages	423
Undefined Packaged Beverages-Reserved for PCATS Future Use	424-427
Undefined Packaged Beverages-Reserved for Proprietary Use	428-429
General Dispensed Beverage	430
Hot Dispensed Beverages	431
Cold Dispensed Beverages	432
Frozen Dispensed Beverages	433
Other Dispensed Beverages	434
Undefined Dispensed Beverages-Reserved for PCATS Future Use	435-437
Undefined Dispensed Beverages-Reserved for Proprietary Future	438-439
General Snacks	440
Salty Snacks	441
Alternative Snacks	442
Sweet Snacks - Packaged	443
Undefined Snacks-Reserved for PCATS Future Use	444-447
Undefined Snacks-Reserved for Proprietary Use	448-449
General Candy	450
Undefined Candy-Reserved for PCATS Future Use	451-457
Undefined Candy-Reserved for Proprietary Use	458-459

Description	Code
General Dairy	460
Fluid Milk Products	461
Packaged Ice Cream/Novelties	462
Other Dairy	463
Undefined Dairy-Reserved for PCATS Future Use	464-467
Undefined Dairy-Reserved for Proprietary Use	468-469
General Grocery	470
Groceries - Edible	471
Groceries - Non-Edible	472
Groceries - Perishable	473
Bread - Packaged	474
Frozen Foods	475
Undefined Grocery-Reserved for PCATS Future Use	476-477
Undefined Grocery-Reserved for Proprietary Use	478-479
General Alcohol	480
Beer - Alcoholic	481
Beer - Non-Alcoholic	482
Wine	483
Liquor	484
Undefined Alcohol-Reserved for PCATS Future Use	485-487
Undefined Alcohol-Reserved for Proprietary Use	488-489
General Deli	490
Packaged Sandwiches/Deli Products	491
Prepared Foods	492
Deli Items	493
Undefined Deli-Reserved for PCATS Future Use	494-497
Undefined Deli-Reserved for Proprietary Use	498-499
General Foodservice	500
Undefined Foodservice-Reserved for PCATS Future Use	501-507
Undefined Foodservice-Reserved for Proprietary Use	508-509
General Lottery	510
Lottery - Instant	511
Lottery - Online	512
Lottery - Other	513
Undefined Lottery-Reserved for PCATS Future Use	514-517
Undefined Lottery-Reserved for Proprietary Use	518-519
General Money Order	520
Money Order - Vendor Payment	521
Money Order - Payroll Check	522
Money Order - Gift Certificate	523
Money Order - Refund Check	524
Money Order - Official Check	525
Money Order - Rebate Check	526

Description	Code
Money Order - Dividend Check	527
Money Order - Utility Check	528
Undefined Money Order-Reserved for PCATS Future Use	529
General Store Service	530
Home Delivery	531
Prepaid Cards - Purchase	532
Prepaid Cards - Activation/Recharge	533
Membership/Loyalty	534
Undefined Store Services-Reserved for PCATS Future Use	535-537
Undefined Store Services-Reserved for Proprietary Use	538-539
General Health and Beauty Care	540
Undefined Health and Beauty Care-Reserved for PCATS Future Use	541-547
Undefined Health and Beauty Care-Proprietary Use	548-549
General Publications	550
Undefined General Publications-Reserved for PCATS Future Use	551-557
Undefined General Publications-Reserved for Proprietary Use	558-559
Undefined Merchandise-Reserved PCATS Future Use	560-590
Undefined Merchandise-Reserved Proprietary Use	591-599
Reserved for PCATS Future Use	600-799
Reserved for Proprietary Use	800-899
Negative Transactions	900-949
Discount 1	900
Discount 2	901
Discount 3	902
Discount 4	903
Discount 5	904
Coupon 1	905
Coupon 2	906
Coupon 3	907
Coupon 4	908
Coupon 5	909
Lottery Pay Out - Instant	910
Lottery Pay Out - Online	911
Lottery Pay Out - Other	912
Split Tender	913
Tax Discount/Forgiven	914
Undefined Negative-Reserved for PCATS Future Use	915-940
Undefined Negative-Reserved for Proprietary Use	941-948
Miscellaneous Negative Administrative	949
Administrative	950-999
Tax 1	950
Tax 2	951
Tax 3	952
Tax 4	953

Description	Code
Tax 5	954
Cash Back	955
Cash Back Fee	956
Fee 1	957
Fee 2	958
Fee 3	959
Fee 4	960
Fee 5	961
Miscellaneous Aviation Tax	962
GST/HST (Canadian)/VAT 1	963
PST/QST (Canadian) VAT 2	964
SWT Rate (Canadian)	965
Tax 6	966
Tax 7	967
Tax 8	968
Undefined Administrative-Reserved for PCATS Future Use	969-990
Undefined Administrative-Reserved for Proprietary Use	991-998
Miscellaneous Administrative	999

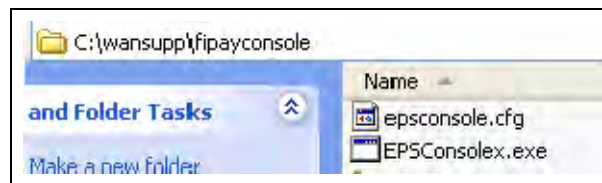
Appendix B: Running EPS Consolex GUI Utility

Running EPS Consolex GUI Utility is an alternate way to configure the FiPay parameters. These features are automatically set up through the installation batch and usually must not be altered as there are many features that we do not use.

- 1 To create the “FiPAYpincs_config.xml” configuration file for FiPAYPinCsx to function, you must run the EPS Console and start the service. FiPAYPinCsx takes the “FiPAYpincs_def.cfg” file with your selections and merges it with the ones in the “FiPAYpincs_config.template” file and creates “FiPAYpincs_config.xml”.

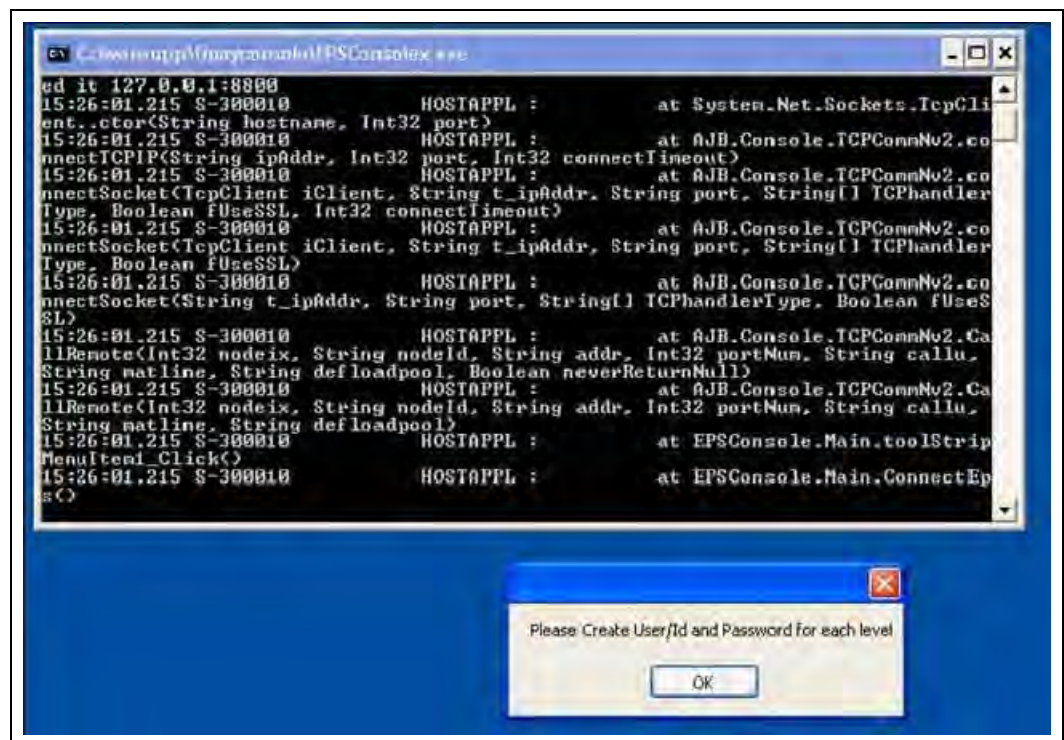
EPS Console is located in the “C:\wansupp\fiipayconsole” folder.

Figure 66: EPS Console Location



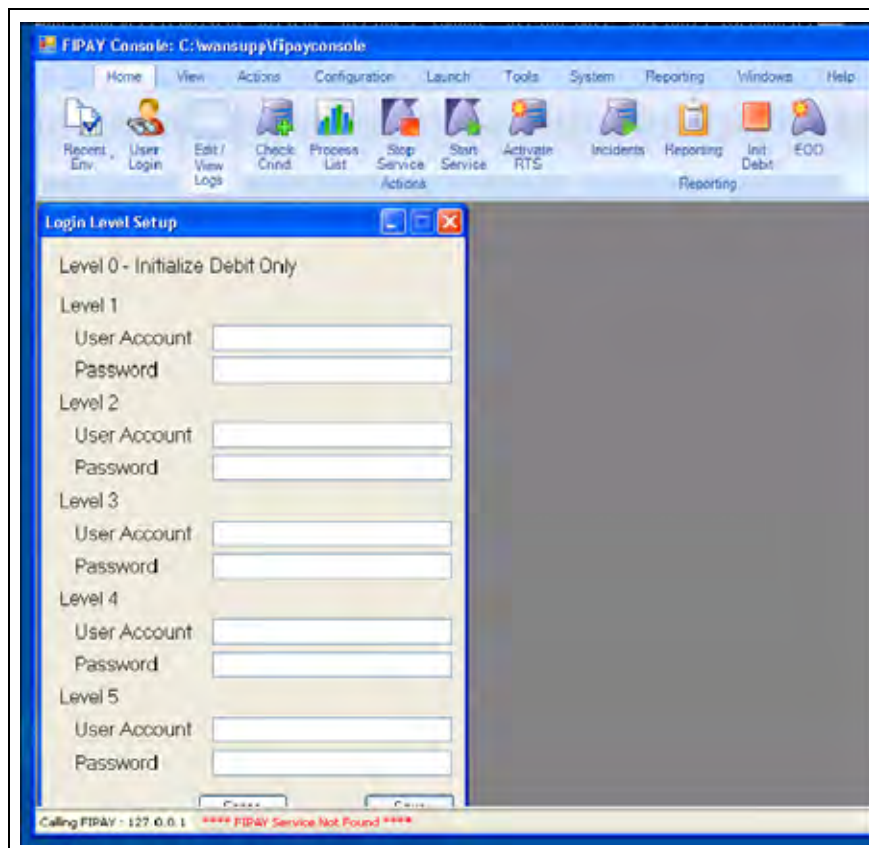
- 2 Double-click the “EPSConsolex.exe” file. The “EPSConsolex.exe” executes and following window appears (see [Figure 67](#)).

Figure 67: EPS Consolex Window



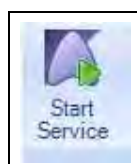
- 3 Click **OK** and then close the “Login Level Setup” window.

Figure 68: EPS Console Window



On the Home tab, you must see the Start Service button shown in [Figure 69](#).

Figure 69: Start Service



- 4 Click **Start Service**. Following window appears.

Figure 70: Service Successful Window



- 5 Click **OK**.

Appendix C: HASP Key Information

HASP Key Driver Installation

The FiPay upgrade or installation will load the HASP drivers. The script will automatically begin this process.

Sentinel® HASP keys provide hardware-based Advanced Encryption Standard (AES) 128-bit encryption protection against illegal or unauthorized use. The solution deters illegal access and execution of protected software.

Figure 71: HASP Key Driver Installation



The Sentinel HASP-HL key is of the size of a small USB thumb-drive and is coded with a unique encryption key. This encryption key works only for one customer within the FiPay application (FipayPinCsx.exe).

FiPay is coded with a special Application Programming Interface (API) call that requires access to a Sentinel HASP-HL protection key to run. FiPay queries the Sentinel HASP protection key for predefined information. If the key is not present or the information returned is incorrect, FiPay will not execute and logs an error message in the “Hosttpl.log” log file.

Required Files

Following files are required to use a Sentinel HASP key with FiPay which are automatically included in the release package:

- Hasp_net_windows.dll (Located in FiPay folder)
- Hasp_windows_94025.dll (Located in FiPay folder)
- Haspdinst.exe (Device driver for HASP-HL key installed once)
- FipayPinCsx.exe (Hardcoded with AJB’s unique license key)

Compatibility

The driver provided is Sentinel HASP run-time environment installer - Version 5.86 and it is compatible with the following operating systems:

- Windows Server 2008 R2 and Windows Server 2003 R2
- Windows 7 Pro, Windows XP Pro, and Windows 2000

Note: Windows XP Embedded is not supported with this installer. Use the “SLD” file to install the Sentinel HASP run-time environment under Windows XP Embedded.

HASP Key Driver Installation Issues

- 1 When running the FHO application and FiPay on the same PC, there is a possibility of the two HASP keys conflicting with one another.

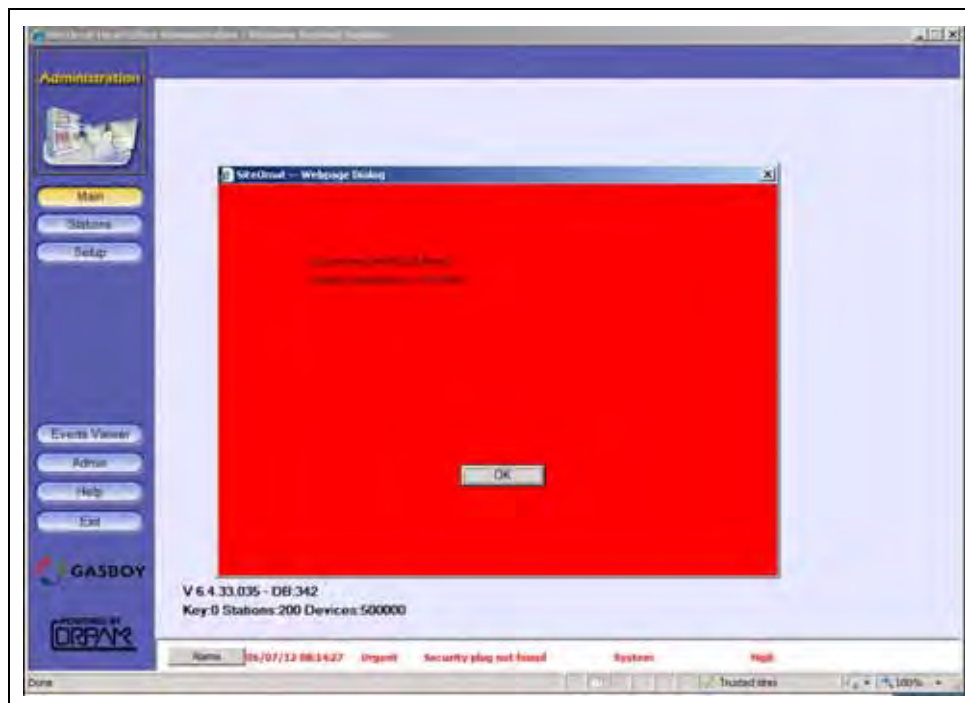
If the following screen displays during the FiPay HASP installation, STOP all the four Orpak™ services and restart the FiPay installation.

Figure 72: Sentinel HASP Run-time Environment Installer Window



- 2 In some system configuration, there is a HASP key conflict when running both the FiPay HASP and FHO HASP keys. Following error message will display when accessing the Fleet Head Office.
- 3 This occurs when the Server/PC is restarted and both HASP keys are inserted.
Note: When this occurs the FHO is longer communicating to the SiteOmat.
- 4 To fix this, shutdown the PC, unplug the FHO HASP, and start the PC. Re-insert the FHO HASP after the OS has loaded.

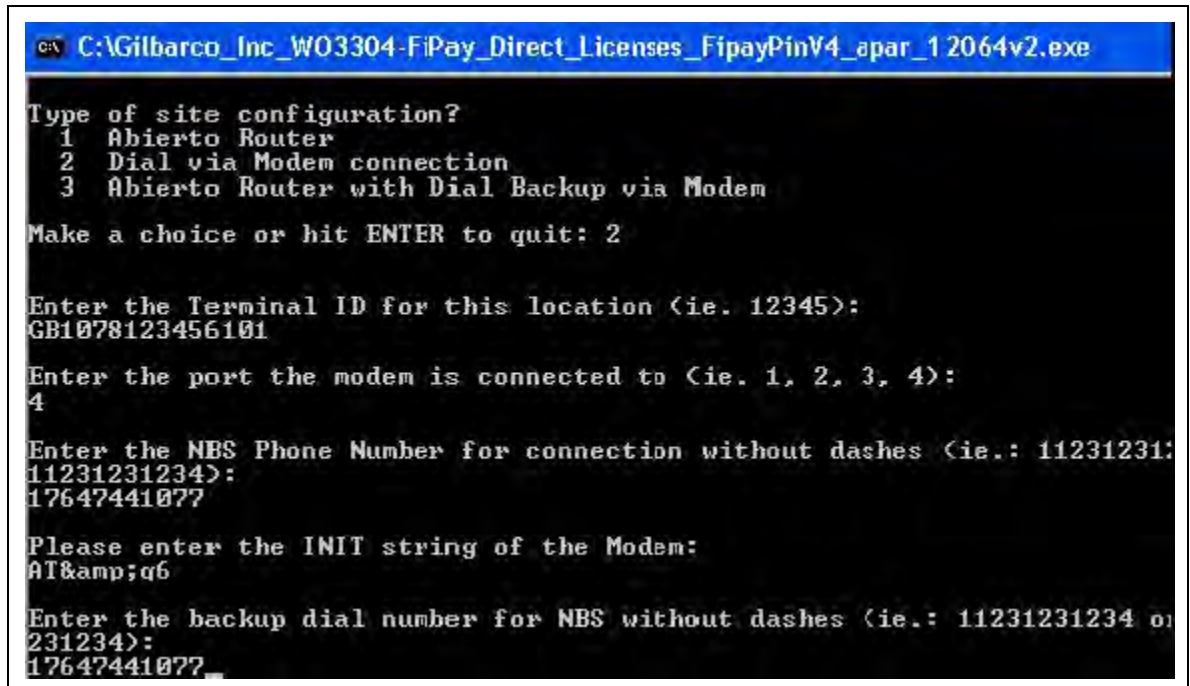
Figure 73: SiteOmat Head Office Administration



Appendix D: Modem Initialization String Info

Figure 74 shows the next few questions with reference to selection “2” and setting up a Modem Init string parameter that includes an ampersand character. For the INIT string including this character, remember that you must insert “amp;” before it as shown: AT&q6 will be AT&q6.

Figure 74: Modem Initialization String Information



```
C:\Gilbarco_Inc_WO3304-FiPay_Direct_Licenses_FipayPinV4_apar_1 2064v2.exe

Type of site configuration?
 1 Abierto Router
 2 Dial via Modem connection
 3 Abierto Router with Dial Backup via Modem

Make a choice or hit ENTER to quit: 2

Enter the Terminal ID for this location (ie. 12345):
GB1078123456101

Enter the port the modem is connected to (ie. 1, 2, 3, 4):
4

Enter the NBS Phone Number for connection without dashes (ie.: 11231231234):
11231231234
17647441077

Please enter the INIT string of the Modem:
AT&amp;q6

Enter the backup dial number for NBS without dashes (ie.: 11231231234 or 231234):
17647441077
```


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7300 West Friendly Avenue · Post Office Box 22087
Greensboro, North Carolina 27420

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