



Aimetis E-Series™

Physical Security Appliance

Installation and User Guide

Introduction

The Aimetis Physical Security Appliance combines a purpose-built hardware appliance with Aimetis Symphony™ video management and analytics software, creating a high performance intelligent video surveillance platform. Its robust fanless design and flexible installation options makes the appliance an ideal solution for space constrained environments and harsh environments.

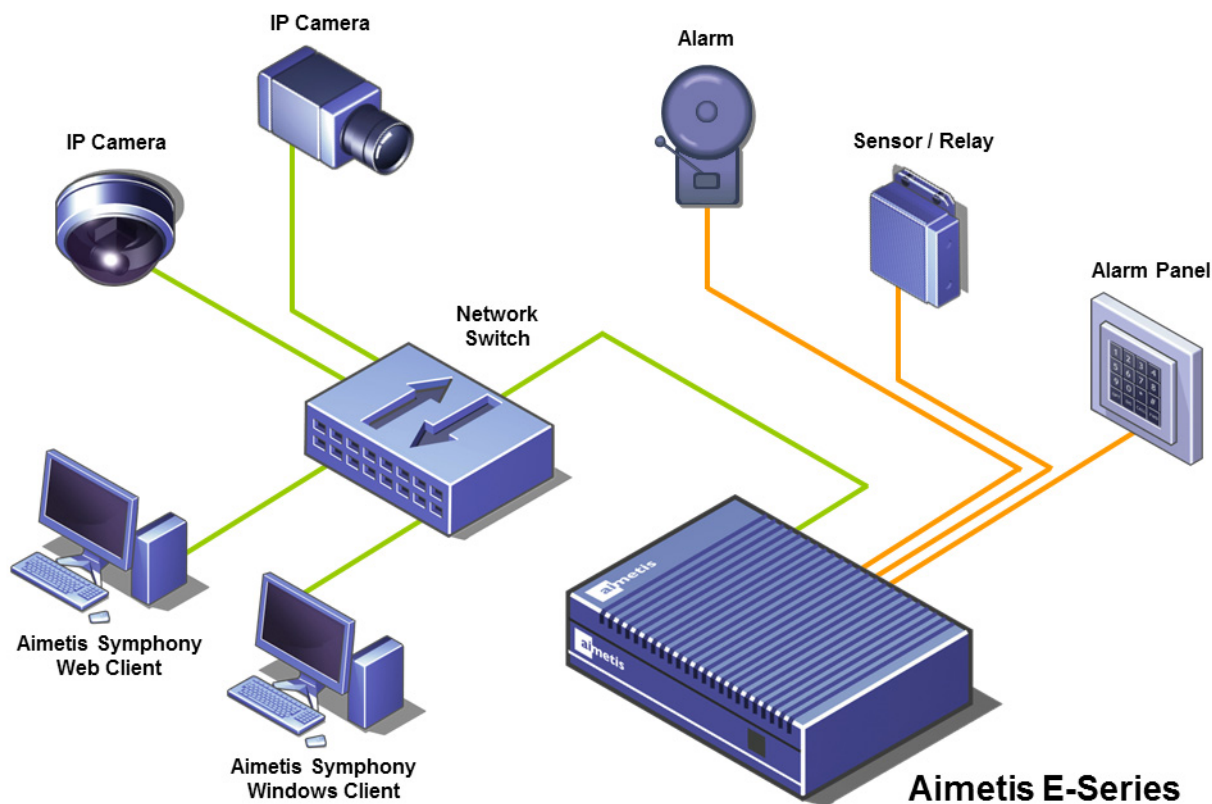


Figure 1: Hardware configuration example

Setup Process

English

1. "Unpack the Box" on page 3
2. "Install Hard Drive (applies only to AIM-E4000 model)" on page 8
3. "Connect the Aimetis Physical Security Appliance to the Network" on page 9
4. "Log in to Your Aimetis Physical Security Appliance" on page 12
5. "Install Symphony Client" on page 25
6. "Configure the Video Management Software (VMS)" on page 27
7. "Review Safety, Maintenance, and Support Information" on page 28
8. "Mounting the Aimetis Physical Security Appliance" on page 29
9. "Appendix: Advanced Features" on page 31

Table 1: Passwords

Page	Default Password
PSA Log In page	AimetisPSA (Can be changed on Password page. See comment below.)
PSA Password page	Type in a new password of your choice. The specified password is used by this Web Administration wizard and also used to restrict direct access to the appliance. This password does not apply to any user within the Aimetis Symphony software.
Symphony Client - Register Symphony Server dialog box, Username , Password fields	Admin, Admin

Step 1: Unpack the Box

Your Aimetis Physical Security Appliance package includes:

- Aimetis Physical Security Appliance
- USB card with Installation and User Guide, Symphony Client software
- Metal wall mounts and screws for wall mounting of unit (optional)
- Feet for flat placement of unit (optional)
- Power adapter and power cord

Note: Keep the packing material in case you need to return the appliance for service.

E4000 Features

Table 2: E4000 Series Specifications

Model	E4000	E4010	E4020	E4040	E4060
CPU	Intel Celeron J1900 2.00 Ghz	Intel Celeron J1900 2.00 Ghz	Intel Celeron J1900 2.00 Ghz	Intel Celeron J1900 2.00 Ghz	Intel Celeron J1900 2.00 Ghz
RAM	4GB	4GB	4GB	4GB	4GB
OS	Windows 10 embedded	Windows 10 embedded	Windows 10 embedded	Windows 10 embedded	Windows 10 embedded
Storage	None	1TB	2TB	4TB	6TB
Video Management Software	Symphony Standard	Symphony Standard	Symphony Standard	Symphony Standard	Symphony Standard
Camera Licenses Included	2	4	8	16	24
Ethernet	2xGbE	2xGbE	2xGbE	2xGbE	2xGbE
USB	4	4	4	4	4
Integrated Inputs/Outputs	8/8	8/8	8/8	8/8	8/8
Monitor Output	HDMI	HDMI	HDMI	HDMI	HDMI
Extended storage	With NAS	With NAS	With NAS	With NAS	With NAS
Video Analytics Ready	Yes	Yes	Yes	Yes	Yes
ONVIF	Yes	Yes	Yes	Yes	Yes

Table 2: E4000 Series Specifications (Continued)

Model	E4000	E4010	E4020	E4040	E4060
Network Protocols	DHCP, SMTP, SNMP	DHCP, SMTP, SNMP	DHCP, SMTP, SNMP	DHCP, SMTP, SNMP	DHCP, SMTP, SNMP
Operating Temperature	0 to 40 degrees Celsius	0 to 40 degrees Celsius	0 to 40 degrees Celsius	0 to 40 degrees Celsius	0 to 40 degrees Celsius
Dimensions (mm)	268W X 174D X 44H	268W X 174D X 44H	268W X 174D X 44H	268W X 174D X 44H	268W X 174D X 44H
Weight	3.1KG	3.1KG	3.1KG	3.1KG	3.1KG
Input Voltage	12VDC	12VDC	12VDC	12VDC	12VDC
Compliance	CE, FCC, RoHs	CE, FCC, RoHs	CE, FCC, RoHs	CE, FCC, RoHs	CE, FCC, RoHs
Mounting Kit	Wall mount included	Wall mount included	Wall mount included	Wall mount included	Wall mount included
Warranty	3 year	3 year	3 year	3 year	3 year
Ordering Information	AIM-E4000	AIM-E4010	AIM-E4020	AIM-E4040	AIM-E4060

Front Panel E4000

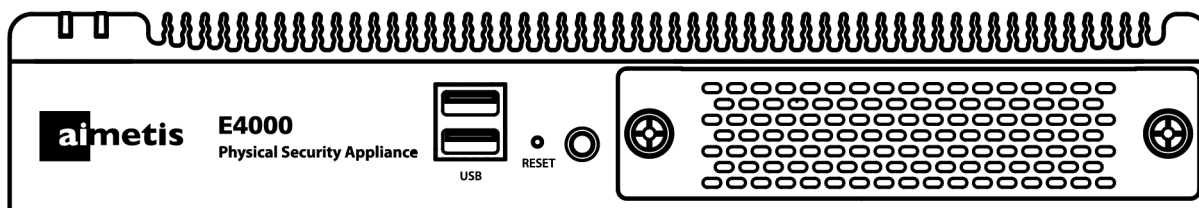


Figure 2: Front panel - Aimetis logo on front panel of long side of unit

- USB (2 ports)
- Reset
- On/Off switch
- Hard drive bay

Back Panel E4000

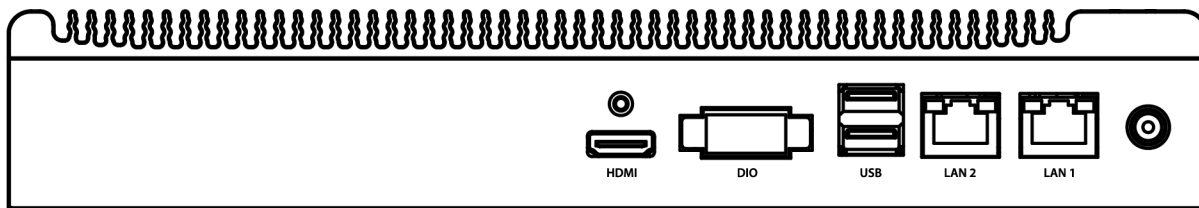


Figure 3: Back panel

- HDMI
- DIO
- USB (2 ports)
- LAN2
- LAN1
- DC-IN

E7000 Features

Table 3: E7000 Specifications

Model	E7020	E7040	E7020A	E7040A
CPU	Intel® Celeron® 847E 1.10 GHz	Intel® Celeron® 847E 1.10 GHz	Intel® Core™ i7-2655LE 2.2 GHz	Intel® Core™ i7-2655LE 2.2 GHz
RAM	4GB	4GB	4GB	4GB
OS	Windows 7 embedded	Windows 7 embedded	Windows 7 embedded	Windows 7 embedded
Storage	2TB	4TB	2TB	4TB
Camera Licenses Included	8 Standard	16 Standard	6 Standard 2 Enterprise	14 Standard 2 Enterprise
Ethernet	2xGbE	2xGbE	2xGbE	2xGbE
USB	4	4	4	4
Integrated Inputs/Outputs	8/8	8/8	8/8	8/8
Monitor Output	VGA	VGA	VGA	VGA
Extended storage	eSATA, NAS	eSATA, NAS	eSATA, NAS	eSATA, NAS
ONVIF	Yes	Yes	Yes	Yes
Network Protocols	DHCP, SMTP, SNMP	DHCP, SMTP, SNMP	DHCP, SMTP, SNMP	DHCP, SMTP, SNMP
Operating Temperature	0 to 40 degrees Celsius	0 to 40 degrees Celsius	0 to 40 degrees Celsius	0 to 40 degrees Celsius
Dimensions (mm)	277W X 190D X 67H	277W X 190D X 67H	277W X 190D X 67H	277W X 190D X 67H
Weight	4.3KG	4.3KG	4.3KG	4.3KG
Input Voltage	12V DC	12V DC	12V DC	12V DC
Compliance	CE, FCC, RoHs	CE, FCC, RoHs	CE, FCC, RoHs	CE, FCC, RoHs
Mounting Kit	Wall (included) Rack (sold separately)	Wall (included) Rack (sold separately)	Wall (included) Rack (sold separately)	Wall (included) Rack (sold separately)
Warranty	2 year	2 year	2 year	2 year
Ordering Information	AIM-E7020	AIM-E7040	AIM-E7020A	AIM-7040A

Front Panel E7000

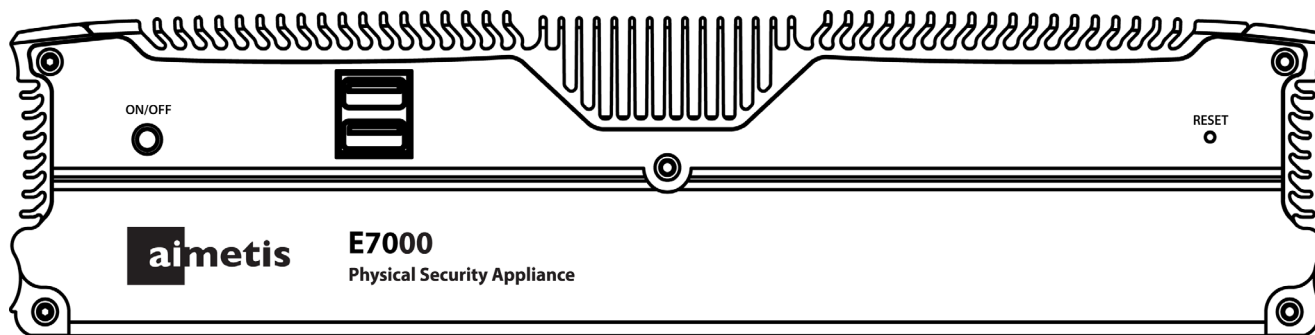


Figure 4: Front Panel E7000

- On/Off switch
- USB (2 ports)
- Reset

Back Panel E7000

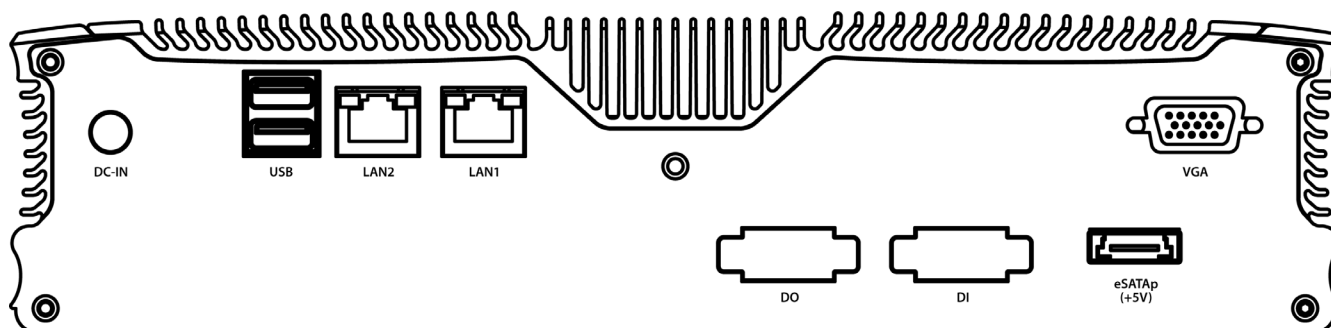


Figure 5: Back Panel E7000

- DC-IN
- USB (2 ports)
- LAN2
- LAN1
- DO
- DI
- eSATAp (+5V)
- VGA

Step 2: Install Hard Drive (applies only to AIM-E4000 model)

Important: Do not use your PSA without a hard drive installed in the hard drive bay. The Symphony software is configured to store video and other data on this drive and will not function correctly without it.

Select a hard drive:

The E4000 PSA supports hard drives with:

- 3.5” form factors
- SATA 1, 2 or 3 interfaces (or backwards compatible with SATA 3)
- Capacities up to 8TB (larger capacities may be supported but have not been tested)

Your hard drive must be either:

- Formatted for use with Microsoft Windows 10. We recommend a single GPT partition formatted with NTFS
- Unformatted and unpartitioned space – this is the typical state of newly purchased hard drives

Prepare your hard drive:

If necessary, use another computer to either:

- Repartition and/or reformat the drive for use with Microsoft Windows 10

OR

- Delete all partitions and the partition table so it is raw space

Install your hard drive:

1. If powered on, shut down the PSA. This can be done from within the PSA Web Admin tool.
2. Fully loosen the two thumb screws on the front of the hard drive tray.
3. Remove the hard drive tray by pulling on the thumb screws. It may require some force to remove the tray.
4. Install the hard drive into the bay using the four screws included with the PSA.
5. Insert the hard drive tray into the PSA.
6. Power on the PSA.

On boot up, the PSA will automatically prepare new raw drives by partitioning them with a single GPT partition, formatting the partition with NTFS and mounting it as drive letter “D:”. This process is usually completed within about one minute from powering on the PSA.

The default configuration of Aimetis Symphony will automatically start using the new drive for data and log storage.

Step 3: Connect the Aimetis Physical Security Appliance to the Network

Note the following points:

1. This is a setup procedure to configure basic system settings such as a computer name, IP address, time and time zone. Video management settings will be configured by **Symphony Client**.
2. Initial setup does NOT require a monitor, keyboard or mouse to be attached to the appliance. The **VGA** port or **HDMI** port (as equipped) are for troubleshooting only.
3. The appliance will be configured using your Web browser once connected to your network.

Using LAN1 or LAN1 & LAN2

The appliance may be connected to a single network containing IP cameras and client computers. You may use either the **LAN1** or the **LAN2** ports on the back panel. Each port has a different default configuration. For convenience this guide will assume **LAN1** is used.

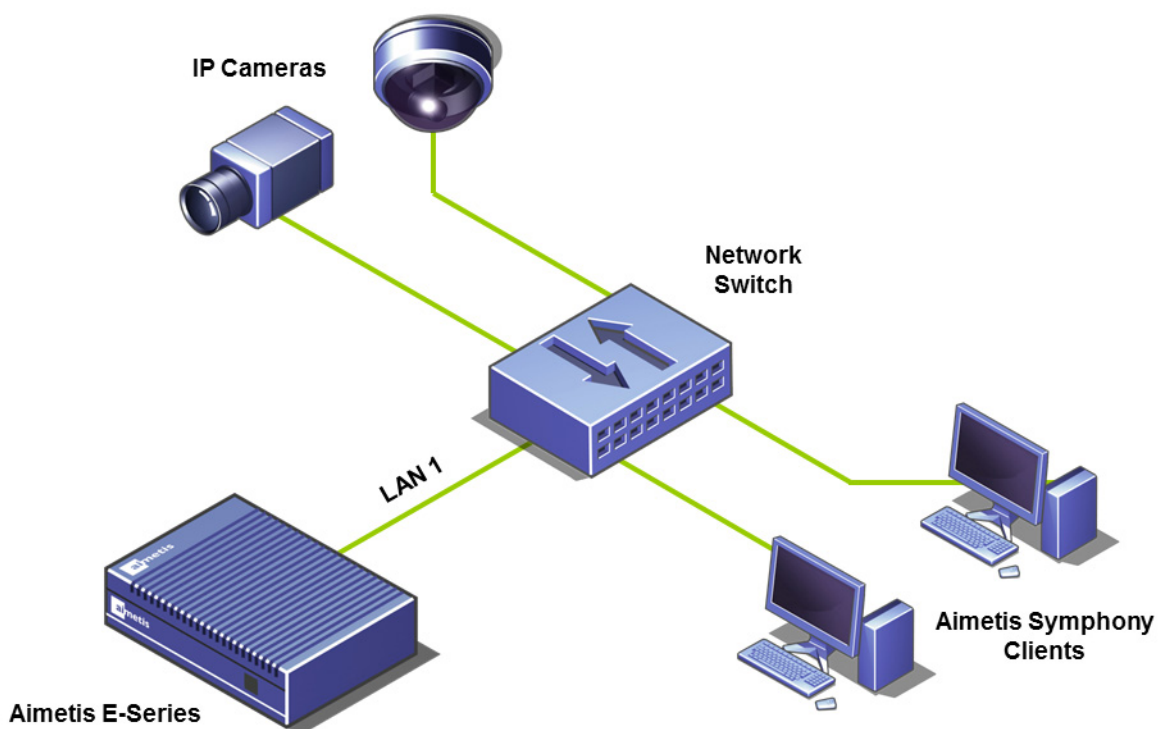


Figure 6: One network in use

The appliance may also be connected to two networks by using both the **LAN1** and **LAN2** ports on the back panel. Using two separate networks could be required if the video traffic must be isolated from the corporate network. The appliance can also act as a DHCP server for one of the two networks, typically the one connected to the video devices.

By isolating the video devices on a separate network, the video will only traverse the corporate network if a user wishes to see video. Otherwise no video will traverse the two networks. [Figure 7](#) shows a typical network layout when two networks are in use. It shows cameras are on a separate network from clients.

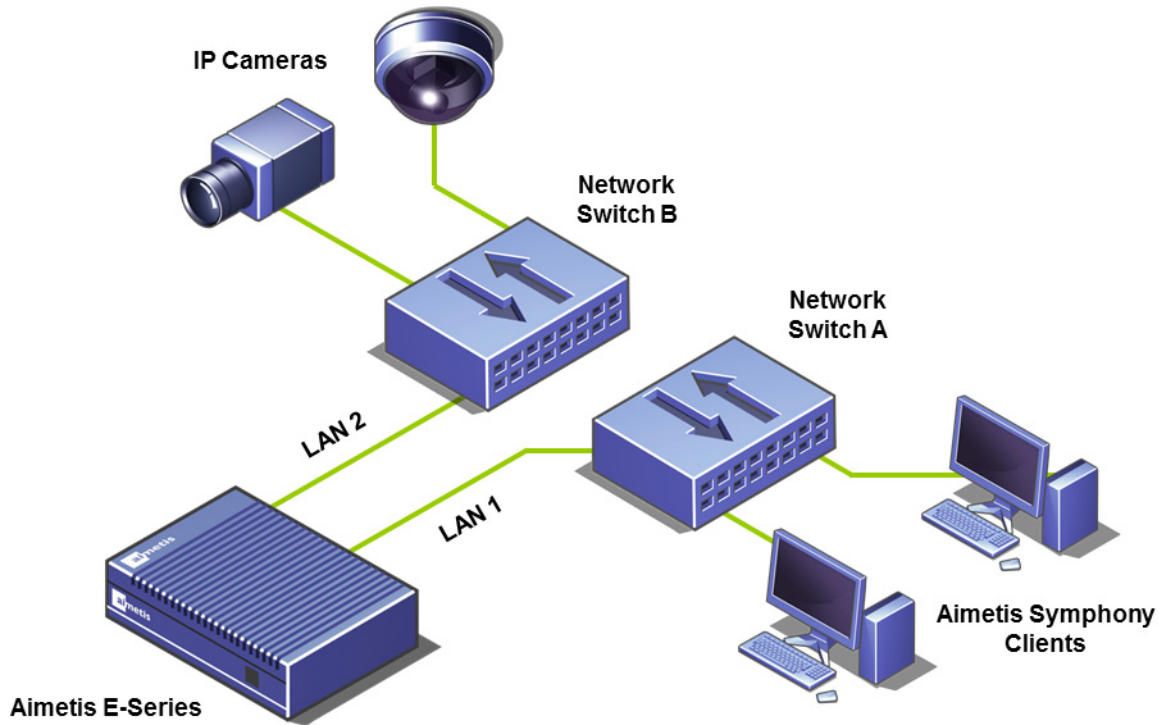


Figure 7: Two networks in use

Never connect the **LAN1** and **LAN2** ports to the same network.

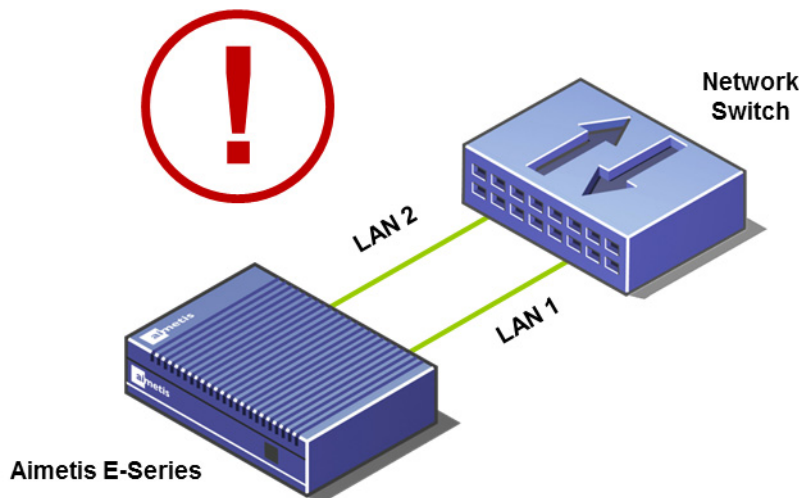


Figure 8: Do NOT connect LAN1 and LAN2 to the same network

To perform initial setup:

1. Decide which network ports you want to use. The appliance comes configured as follows:
 - **LAN1** is configured to obtain an IP address automatically using DHCP. If no DHCP server is available, the port will assign itself an IP address automatically using automatic private IP addressing. The IP address will be set to **169.254.x.y** (where x.y is the device's unique identifier) with a subnet of **255.255.0.0**.
 - **LAN2** is configured to a fixed IP address of **192.168.0.2**.
2. Connect the appliance to the network with a twisted-pair cat.5 or cat.6 cable using either **LAN1** or **LAN2** on the back panel.
3. Connect the power adaptor to the appliance and press the power button on the front panel. The power button will light up green and the hard disk activity indicator will flash as it boots.
4. Connect your computer to the network. If using **LAN1**, ensure **DHCP** is enabled on your networking adapter. If using **LAN2**, ensure its network settings, specifically gateway and mask, will allow a connection to an IP address of **192.168.0.2**.

Step 4: Log in to Your Aimetis Physical Security Appliance

The Administration Wizard is normally run only once.

To run the Administration Wizard:

1. Load the USB card into your computer. If the software does not start automatically use Windows Explorer or My Computer to browse the contents of the USB card and double-click **Start.exe**.
2. A window appears allowing you to select your preferred language.
3. The USB card Menu appears with the **Start** tab active.

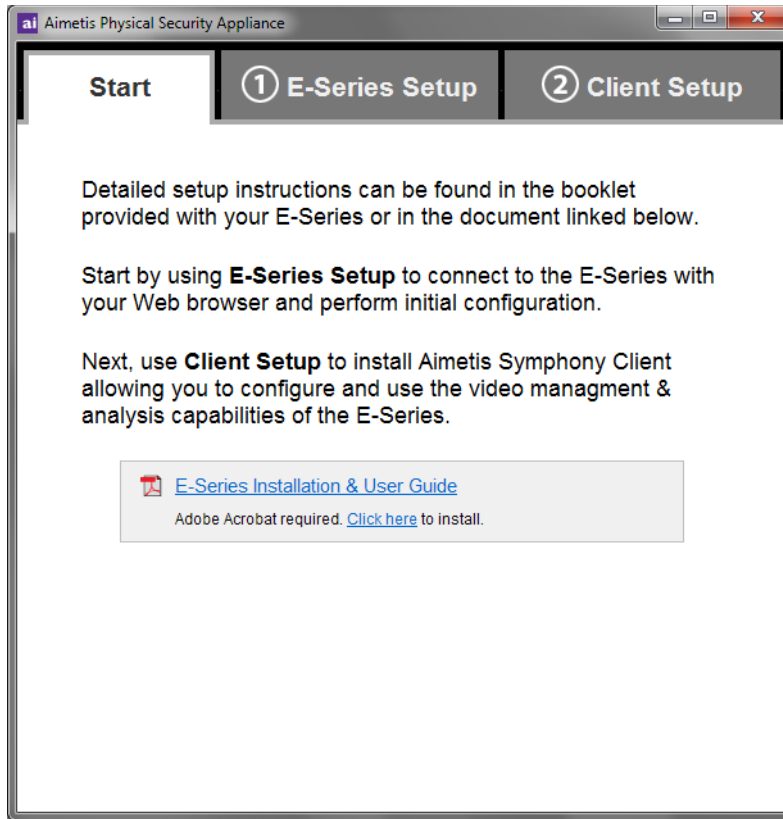


Figure 9: USB card Menu - Start tab

4. Read the information and then click the **E-Series Setup** tab.

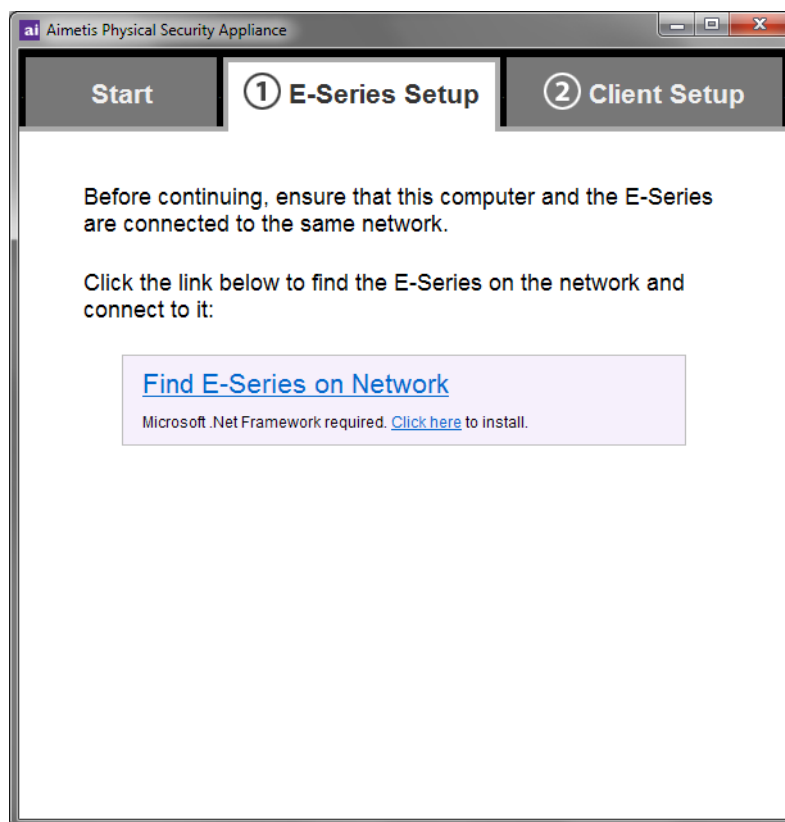


Figure 10: USB card Menu - E-Series Setup tab

5. Click **Find E-Series on Network**. The **Aimetis Physical Security Appliance Locator** window opens and the locator automatically begins searching your network.
6. The found Aimetis Physical Security Appliance devices will appear in a list. Click **Connect** to configure the device (Figure 11).

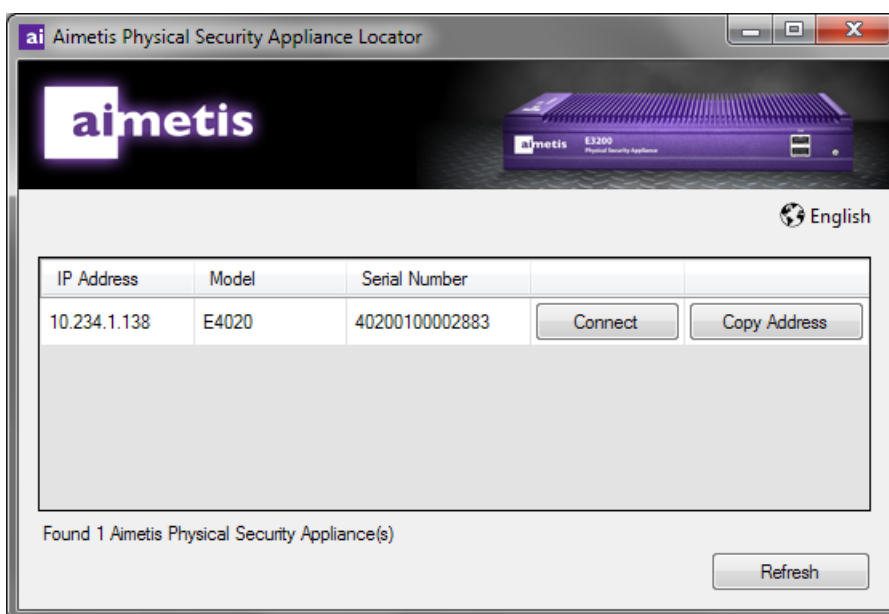


Figure 11: Locator page

7. The **Aimetis Physical Security Appliance Administration** site will open in your Web browser. You are ready to log in and configure your appliance.
8. Go to [“Log In” on page 15](#).

Tip: Create a bookmark for the **Aimetis Physical Security Appliance Administration** site or make it a favorite. This will allow you to return the Web-based **Aimetis Physical Security Appliance Administration** site in the future *without* needing to use the software on the USB card. The site can always be accessed using a Web address or URL such as: **http://device:8080** where device will be either the IP address or **Computer Name** assigned to the appliance.

Log In

Enter the default password: **AimetisPSA**. The password is case sensitive.

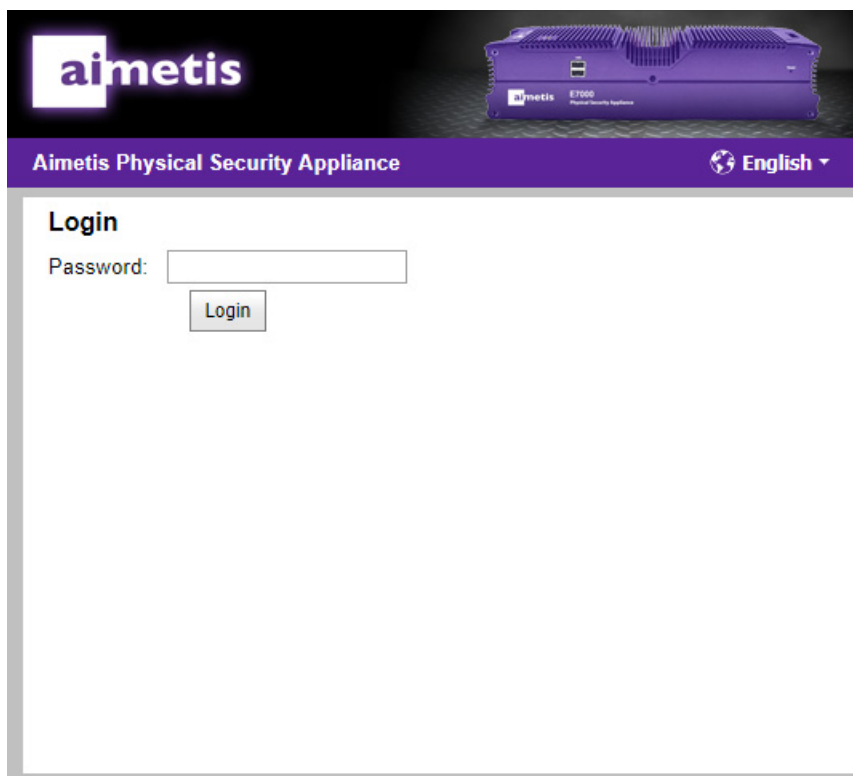


Figure 12: Login page

The **Welcome** page appears. Press **Next Page**.

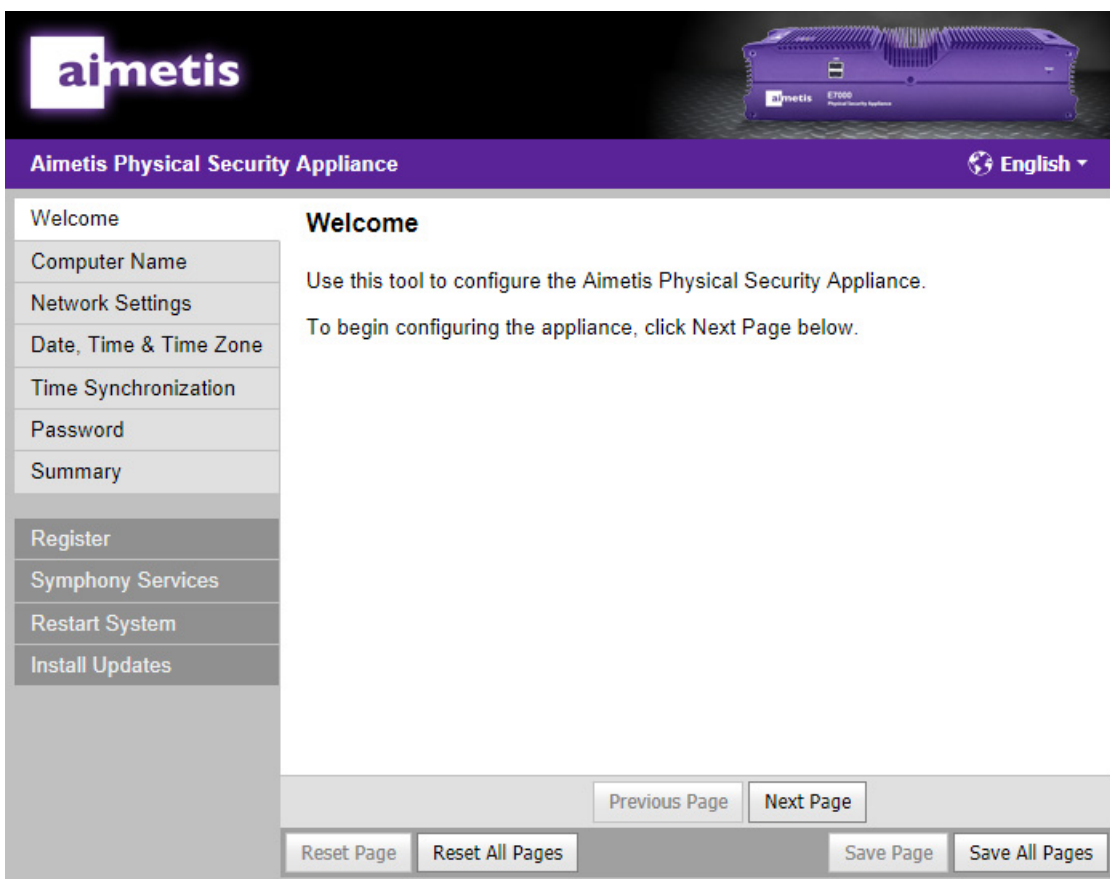


Figure 13: Welcome page

Computer Name



The screenshot shows the web interface of an Aimetis Physical Security Appliance. The header includes the Aimetis logo and a language dropdown set to 'English'. A sidebar on the left contains navigation links: Welcome, Computer Name (selected), Network Settings, Date, Time & Time Zone, Time Synchronization, Password, Summary, Register, Symphony Services, Restart System, and Install Updates. The main content area is titled 'Computer Name' and displays 'Active Computer Name: E7000-0000000'. Below this is a text input field labeled 'Computer Name:' containing the value 'PSA-1'. A note states: 'Note: Name change will not take effect until after restarting the system.' At the bottom, there are four buttons: 'Previous Page', 'Next Page', 'Reset Page', and 'Reset All Pages'. The 'Next Page' button is highlighted.

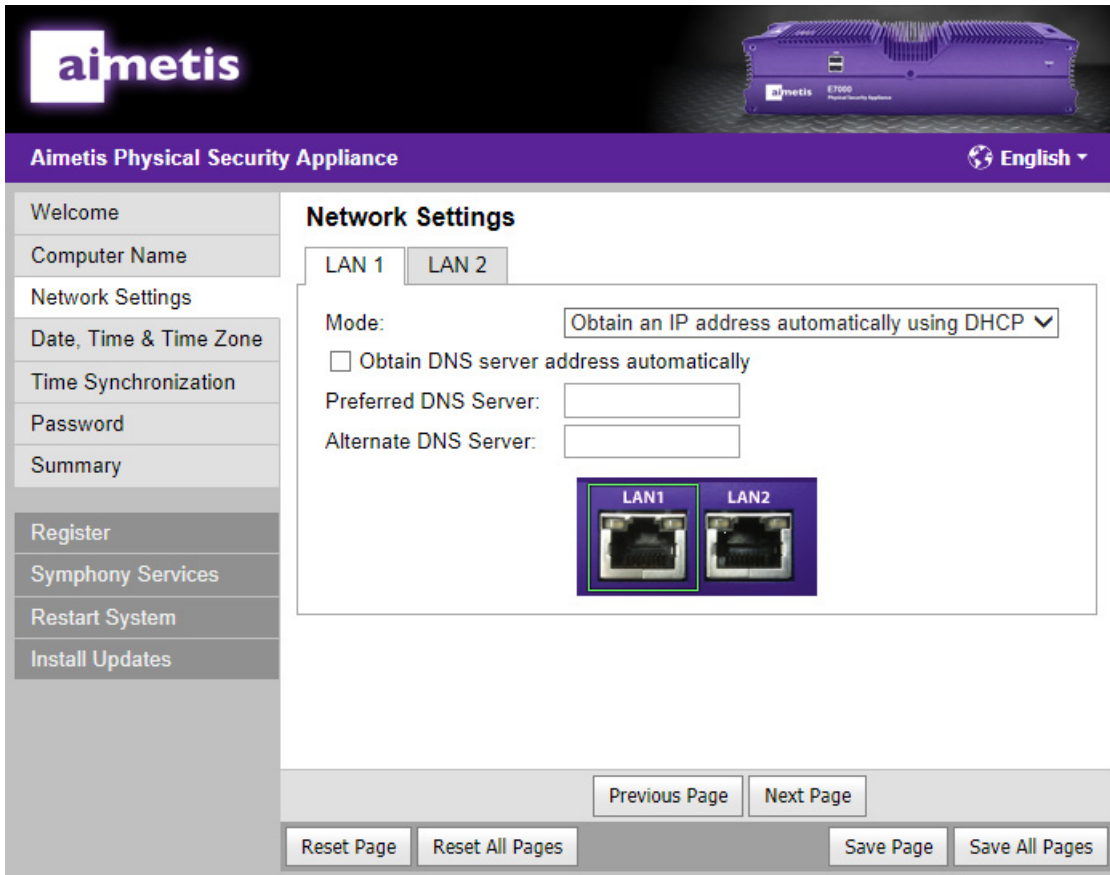
Figure 14: Computer Name page

1. (Optional) In the **Computer Name** field, enter a name to designate the appliance you are installing.
 - The name *cannot* be used by any other device on your network, including any other appliances.
 - You can keep the default name displayed in the **Computer Name** field.
2. Click **Next Page**.

Network Settings

By default the **LAN1** port of the appliance is configured to use DHCP to obtain an IP address. When a DHCP server is unavailable, it will automatically select an **IP Address** in the range **169.254.X.X** and a **Subnet Mask** of **255.255.0.0**. The **LAN2** port comes configured to use a fixed IP address of **192.168.0.2**.

- If you want the appliance to act as a DHCP server, go to [“Running a DHCP Server” on page 19](#).
- If the network does not have a DHCP server, or you want precise control over the IP address used, you may assign a specific IP address. Go to [“IP Address” on page 19](#).
- If the network does not have a DHCP server, or you want precise control over the DNS servers used, you may assign specific DNS servers. Go to [“DNS Servers” on page 19](#).



The screenshot displays the 'Network Settings' page for the 'Aimetis Physical Security Appliance'. The interface includes a sidebar with navigation links: Welcome, Computer Name, Network Settings (selected), Date, Time & Time Zone, Time Synchronization, Password, Summary, Register, Symphony Services, Restart System, and Install Updates. The main content area is titled 'Network Settings' and features tabs for 'LAN 1' and 'LAN 2'. Under the 'LAN 1' tab, the 'Mode' is set to 'Obtain an IP address automatically using DHCP'. There is an unchecked checkbox for 'Obtain DNS server address automatically'. Below this, there are input fields for 'Preferred DNS Server' and 'Alternate DNS Server'. A visual representation of the LAN ports shows 'LAN1' highlighted with a green border. At the bottom of the page, there are buttons for 'Previous Page', 'Next Page', 'Reset Page', 'Reset All Pages', 'Save Page', and 'Save All Pages'.

Figure 15: Network Connection page

Running a DHCP Server

The appliance can act as a DHCP server. You can configure a DHCP server on either network port of the appliance, but not both.

To run a DHCP server on a port:

1. From the **Mode** drop-down list, select **Run a DHCP Server**.
2. Optionally, specify the start address for the range of IP addresses the DHCP server will use in the **IP Address Range Start** field.

Note: The **IP Address Range Start** field must be set to an IP address ending in one. This IP address will also become the address of appliance. The range will extend from .1 to .255 creating a pool of 255 IP addresses.

IP Address

To assign a specific IP address:

1. From the **Mode** drop-down list, select **Assign a specific IP Address**.
2. Enter the address in the **IP Address** field.
3. Enter a value in the **Subnet Mask** field.

Warning: If you change the IP address of the port your computer is connected to and the subnet no longer matches your computer, you will lose access to the appliance after saving your changes.

DNS Servers

A DNS server may be used by the Aimetis Symphony Server installed on the appliance. A DNS server is necessary only when the appliance is connected to the Internet and a specific setting within Symphony uses a domain name. A common use of a domain name would be to identify an email server. Aimetis Symphony can use an email server to send an email as an alarm action.

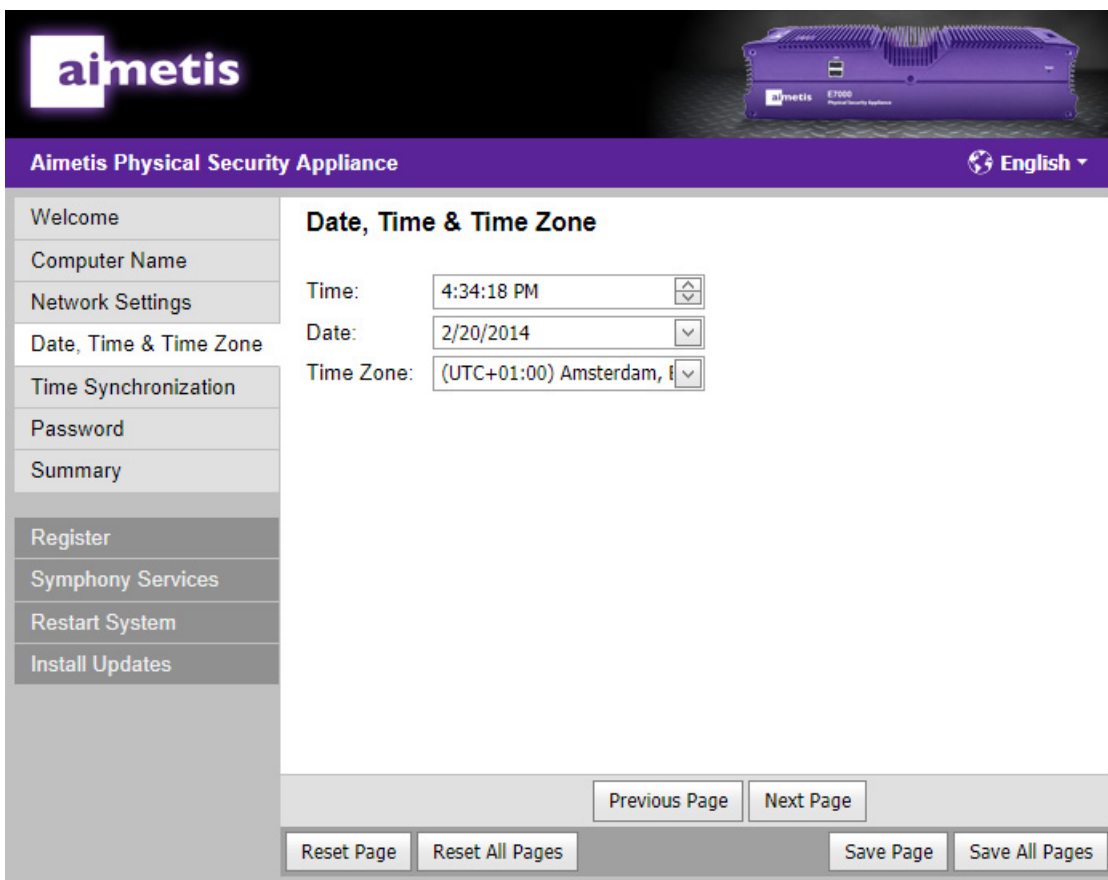
To assign specific DNS servers:

1. If **Mode** is set to **Obtain an IP address automatically using DHCP**, clear the **Obtain an IP address automatically using DHCP** check box.
2. Enter a DNS server address in the **Preferred DNS Server** field.
3. (Optional) Enter a DNS server address in the **Alternate DNS Server** field.
4. Click **Next Page**.

For more information on using one or both network adapters, see [“Using LAN1 or LAN1 & LAN2”](#) in [“Install Hard Drive \(applies only to AIM-E4000 model\)”](#) on page 8.

Date, Time & Time Zone

English



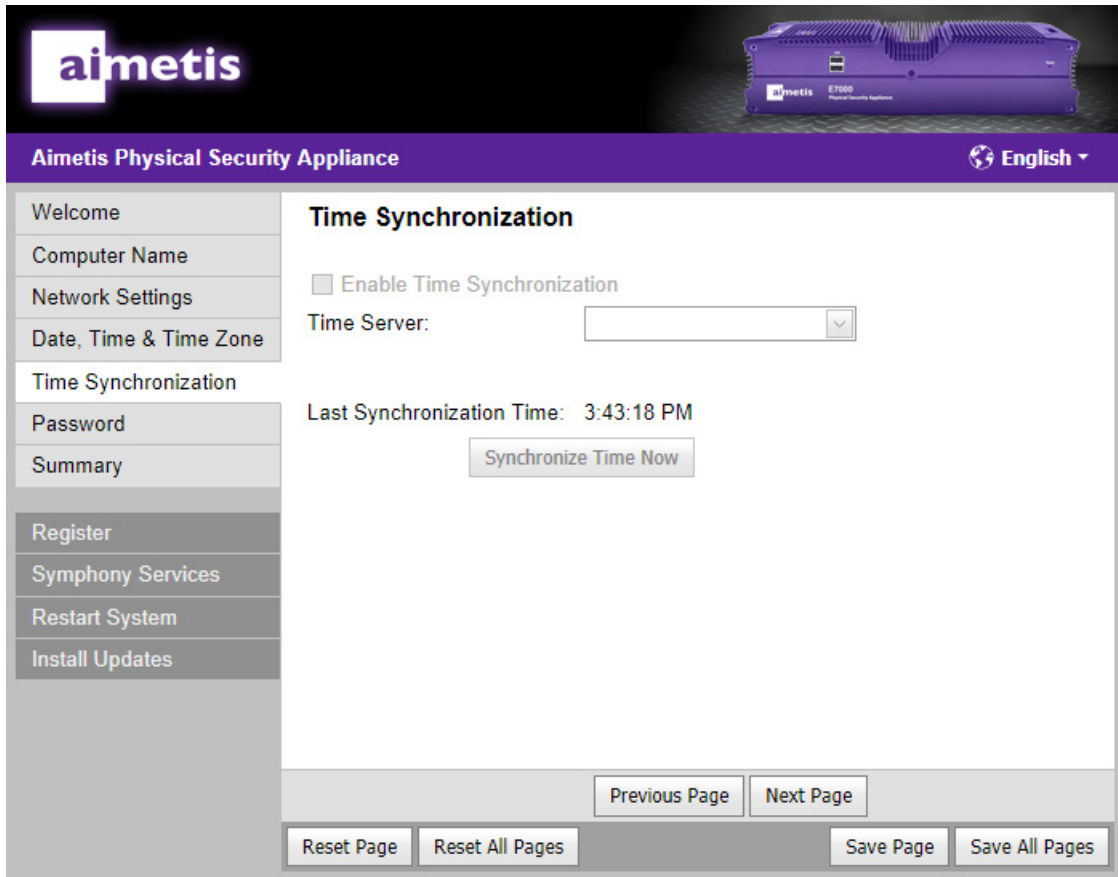
The screenshot shows the web interface of an Aimetis Physical Security Appliance. The header includes the Aimetis logo and a language dropdown set to English. A sidebar on the left contains navigation links: Welcome, Computer Name, Network Settings, Date, Time & Time Zone (selected), Time Synchronization, Password, Summary, Register, Symphony Services, Restart System, and Install Updates. The main content area is titled 'Date, Time & Time Zone' and contains three input fields: 'Time' (4:34:18 PM), 'Date' (2/20/2014), and 'Time Zone' ((UTC+01:00) Amsterdam, I). At the bottom, there are buttons for 'Previous Page', 'Next Page', 'Reset Page', 'Reset All Pages', 'Save Page', and 'Save All Pages'.

Figure 16: Date, Time & Time Zone page

1. Select the local time zone.
2. Enter or modify the current date and time.
3. Click **Next Page**.

If this appliance is connected to the Internet, you may use the next screen of this administration wizard to automatically update the date and time from the Internet.

Time Synchronization



aimetis

Aimetis Physical Security Appliance English ▾

Welcome

Computer Name

Network Settings

Date, Time & Time Zone

Time Synchronization

Password

Summary

Register

Symphony Services

Restart System

Install Updates

Time Synchronization

☐ Enable Time Synchronization

Time Server:

Last Synchronization Time: 3:43:18 PM

Synchronize Time Now

Previous Page Next Page

Reset Page Reset All Pages Save Page Save All Pages

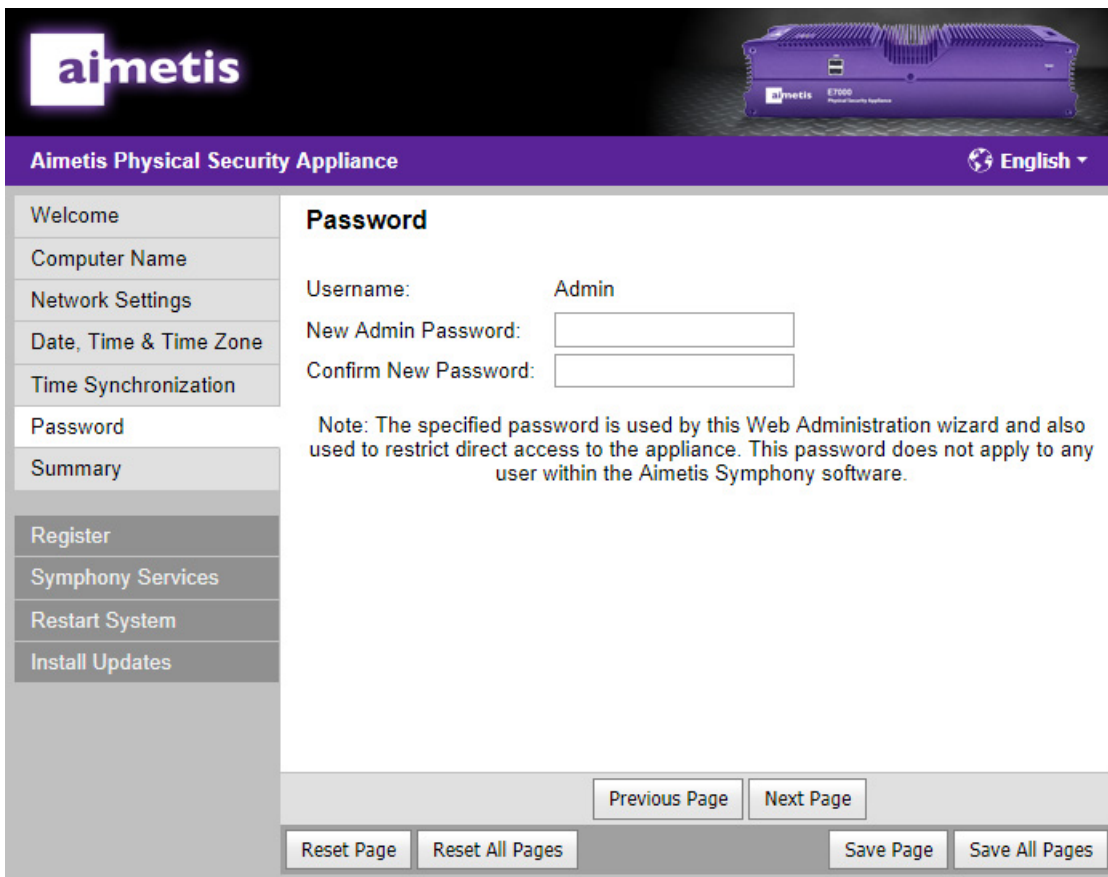
Figure 17: Time Synchronization page

If the appliance is connected to the Internet, it will automatically update its date and time from an Internet time server.

1. Enable (or disable) time synchronization by selecting (or clearing) the **Enable Time Synchronization** check box.
2. If time synchronization is enabled, select a time server from the **Time Server** drop-down list (or use the default selection).
3. Time synchronization will not occur immediately. Its schedule is determined automatically based on many factors. To immediately update the date and time, click **Synchronize Time Now**.
4. Click **Next Page**.

Password

English



aimetis

Aimetis Physical Security Appliance English ▾

Welcome

Computer Name

Network Settings

Date, Time & Time Zone

Time Synchronization

Password

Summary

Register

Symphony Services

Restart System

Install Updates

Password

Username: Admin

New Admin Password:

Confirm New Password:

Note: The specified password is used by this Web Administration wizard and also used to restrict direct access to the appliance. This password does not apply to any user within the Aimetis Symphony software.

[Previous Page](#) [Next Page](#)

[Reset Page](#) [Reset All Pages](#) [Save Page](#) [Save All Pages](#)

Figure 18: Password page

1. To protect your Aimetis Physical Security Appliance from unauthorized access, it is recommended that you change the password from the default one provided by Aimetis.
2. Make sure to record the password you select somewhere in case it is ever forgotten.
3. Click **Next Page**.

Summary

aimetis E7000 Physical Security Appliance

English ▾

Welcome

Computer Name

Network Settings

Date, Time & Time Zone

Time Synchronization

Password

Summary

Register

Symphony Services

Restart System

Install Updates

Name	Value
Computer Name	PSA-1
Time Zone	W. Europe Standard Time

Save All Changes

Save All Changes & Restart System

Previous Page Next Page

Reset Page Reset All Pages Save Page Save All Pages

Figure 19: Summary page

Your changes are ready to be applied.

1. Review the summary of the changes you have made.
2. Do one of the following:
 - If you did not change anything, initial setup is now complete.
 - If you have not changed the **Computer Name**, click **Save All Changes**. Your changes will be applied immediately and initial setup will be complete.
 - If you have changed the **Computer Name**, the system must be restarted.
 - a. Click **Save All Changes & Restart System**.
 - b. Allow several minutes for the system to restart.
 - c. Refresh the Web page.
 - d. Log in to the **Administration** site again if requested.
 - e. Initial setup is now complete.
3. In the left menu bar, click **Register** to continue registering your appliance.

Register

Registration may be completed at a later time.

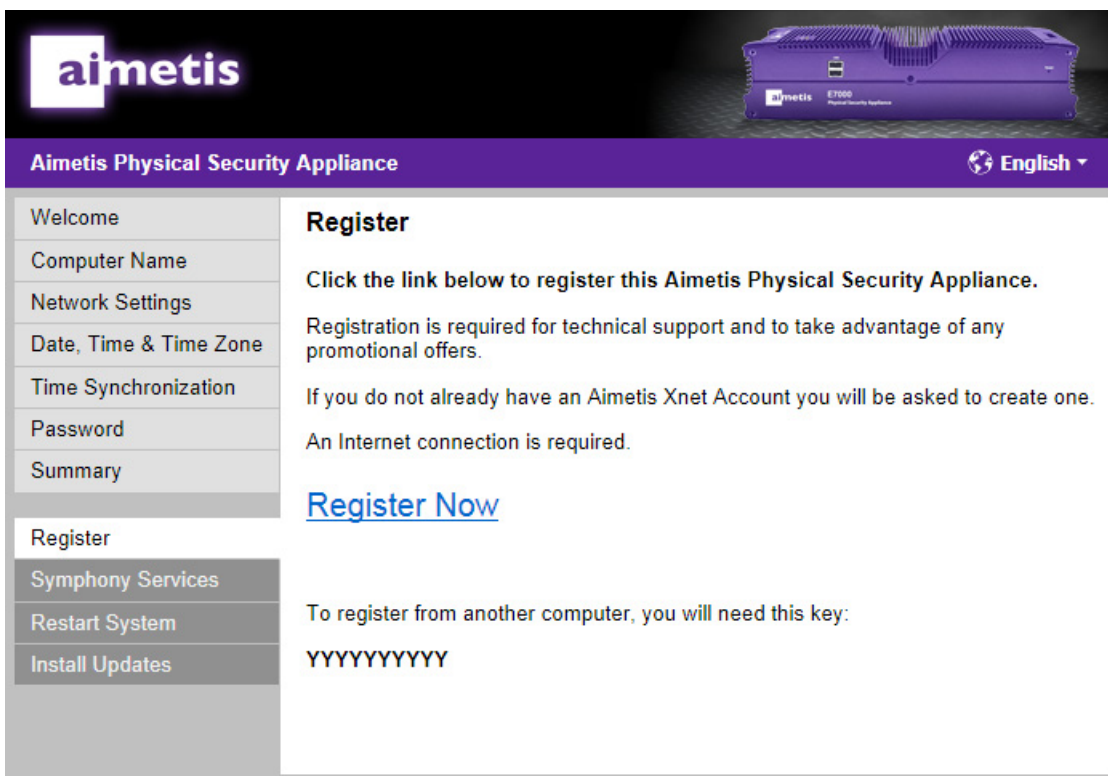


Figure 20: Register page

To register the E-Series:

1. An Internet connection is required:
 - If you do not have an Internet connection on your computer:
 - a. Write down the registration key displayed in the **Register** page.
 - b. Go to the Aimetis Web site to register from another computer:
<http://www.aimetis.com/RegisterPSA>
 - If you have an Internet connection:
 - a. Click the **Register Now** link.
 - b. Follow the instructions on the **Registration** page.
2. Close your browser.
3. Go to ["Install Symphony Client" on page 25](#).

Step 5: Install Symphony Client

Important: You must install **Symphony Client** on all your client PCs

To install Aimetis Symphony Client software:

1. Load the USB card into your computer. If the software does not start automatically use Windows Explorer or My Computer to browse the contents of the USB card and double-click **Start.exe**.
2. A window appears allowing you to select your preferred language.
3. The USB card Menu appears. Click the **Client Setup** tab.
4. Click the **Install Aimetis Symphony Client** link.
 - You do not need to manually uninstall previous versions

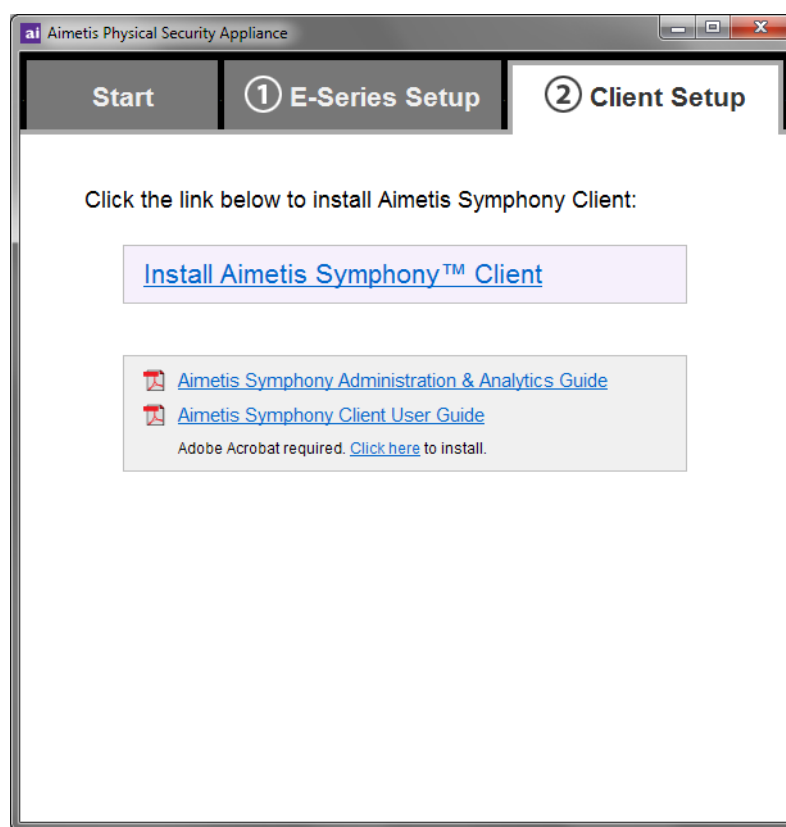


Figure 21: USB card Menu - Client Setup tab

5. Any required components missing on your machine are listed in the **InstallShield Wizard** dialog box. To install missing components, click **Install**.
6. After reviewing the license and warranty information in the **License Agreement** screen, click **I accept the terms of the license agreement**.
7. Click **Next**.
8. (Optional) If you want to change the installation location of Aimetis, click the **Change** button. You are not required to change this value.

- In the **Change Installation Folder** screen, enter the folder path in the **Folder name** field and click **OK**. The new destination is displayed next to the folder icon. (You can use the folder navigation in the **Look in** portion of the screen to navigate to the desired location.)
9. Click **Next**. The **Ready to Install the Program Screen** appears.
 10. Review the data in the **Current Settings** area. If this information is correct, click **Install** to proceed with the installation.
 11. To complete the installation, click **Finish**. (The **Launch the program** check box is selected by default. This allows the Aimetis to open automatically when the installation is complete.)
 12. Go to [“Configure the Video Management Software \(VMS\)” on page 27](#).

Step 6: Configure the Video Management Software (VMS)

To connect to Aimetis Symphony Server:

1. Click the drop-down arrow in the **Address** field of the **Add Symphony Server Connection** dialog box. A list of possible servers appears. Select the IP address of the appliance.

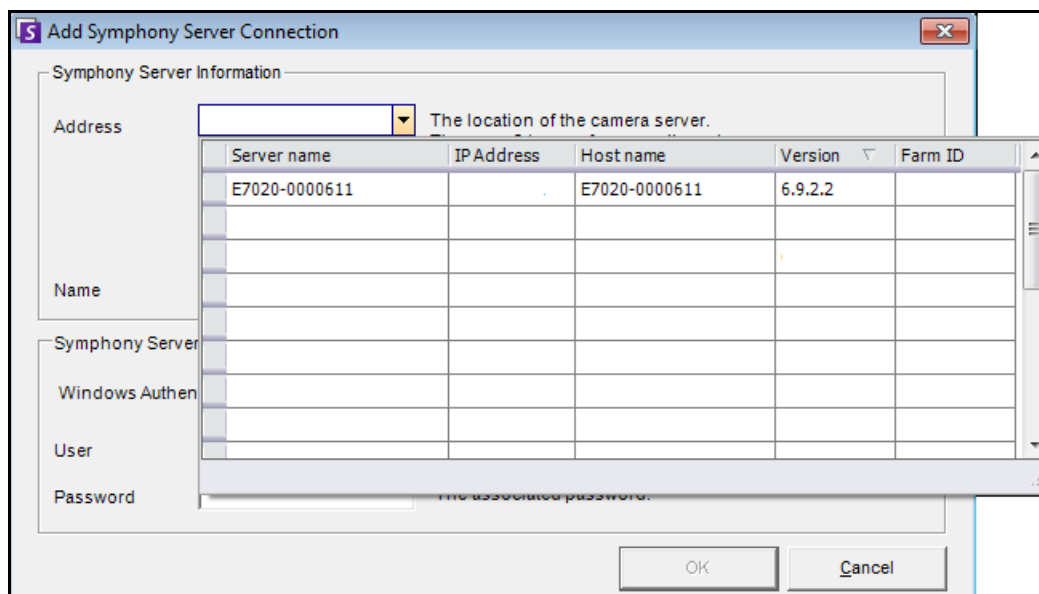


Figure 22: Add Symphony Server Connection

2. In the **Name** field, enter a name to identify the server in **Symphony Client**.
3. In the **User** field, enter “Admin” and in the **Password** field enter, “Admin” and click **OK**.
4. After you have successfully connected to the device with **Symphony Client**, refer to the **Symphony Client User Guide** for more information.

Step 7: Review Safety, Maintenance, and Support Information

English

Table 4: Safety, Maintenance, and Support

Item	Instruction
Power source	Input voltage - 12VDC maximum. Plug the appliance into an outlet protected from power surges.
Heat	Place the appliance away from heat sources such as radiators, stoves, or other heat producing appliances.
Water/moisture	Do not use the appliance near water. For example, if the appliance is placed on the floor and the floor is mopped occasionally with water, this will damage the appliance. Do not spill any liquid on the unit. Also, when moving the appliance from rooms with considerable temperature changes, do not immediately plug in the unit. Let the appliance adjust to the temperature change for at least two hours.
Cleaning	Unplug the appliance before cleaning. Do not use any chemical cleaners. A micro fibre cloth is best for wiping the unit.
Damage/Hardware failure/Missing parts/Servicing	In the event of a hardware failure, contact Aimetis support (www.aimetis.com/support) to obtain a Return Material Authorization (RMA) number. The replacement unit may be refurbished, or substituted with similar products at the option of Aimetis. Aimetis cannot guarantee new replacement units shipped against RMAs.
Warranty	Obtain your formal Warranty statement, including the warranties and license agreements applicable to AIMETIS hardware and software at www.aimetis.com/PSA .

Step 8: Mounting the Aimetis Physical Security Appliance

- “(Optional) Position the Aimetis Physical Security Appliance on a Shelf”
- “(Optional) Wall Mount Instructions”

(Optional) Position the Aimetis Physical Security Appliance on a Shelf

If the appliance is positioned on a flat surface, install the 4 rubber feet included with the device.

- Screw the rubber feet into the 4 holes on the bottom of the device.

(Optional) Wall Mount Instructions

You can place the appliance flat on a shelf, but wall mounts are supplied for wall mounting, if necessary.

The Aimetis Physical Security Appliance package includes a box with:

- 2 metal wall mounts
- 4 small screws with integrated spring washer and flat washer to hold the metal wall mounts to the appliance
- 4 screws and 4 plastic screw anchor/wall plugs appropriate for drywall or plaster. If you are installing the appliance onto a wood or concrete wall, you must supply your own material-appropriate screws and anchors.

Required:

- Phillips screw driver
- Power drill
- Drill bit a little smaller than the closed end of the plastic anchor (or the same size for metal anchors)

Attaching the Wall Mounts to the E-Series Aimetis Physical Security Appliance

To attach the wall mounts to the appliance:

1. With the unit flat on a desk, turn it upside down so that the Aimetis logo is *not* visible.
2. Place the metal wall mount with the two-hole side, flush with the appliance. (The side with 3 holes and 2 large slotted holes will be used to attach the unit to the wall.)



Figure 23: Position metal wall mount on bottom of E-Series

3. Using the small screws with the integrated spring washer and flat washer, fasten the wall mounts to the appliance.
4. Flip the unit over so that the Aimetis logo is now visible. Note that bar with the slotted screw holes will sit flush against a wall.

Positioning the Aimetis Physical Security Appliance on a Wall

When the unit is vertically mounted, you must ensure that all ports are either at the bottom or at the top of the unit. This depends on how you want to connect cables from the appliance to your cameras and network. Decide which ports you want to access from the front panel or the back panel of the unit.

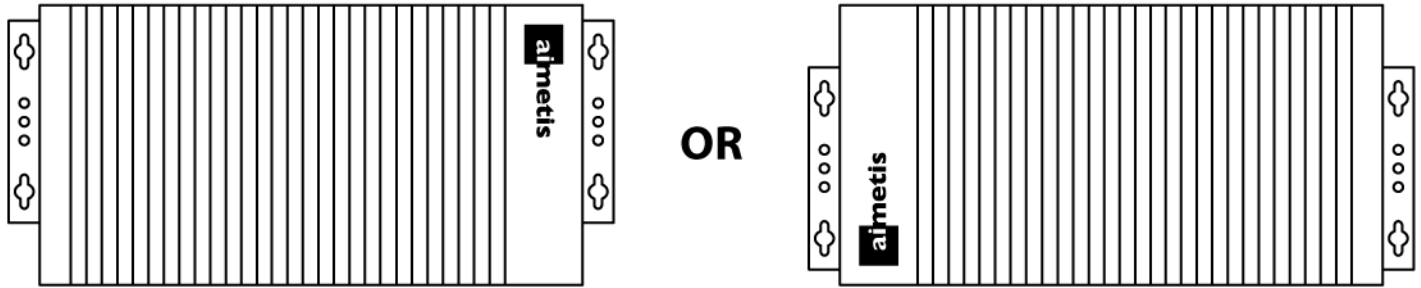


Figure 24: Aimetis logo on top of unit

You can position the screws holding the appliance two ways:

- [“Using the Mounting Template to Position the Aimetis Physical Security Appliance”](#)
- [“Manually Positioning the Unit”](#)

Using the Mounting Template to Position the Aimetis Physical Security Appliance

1. Place the paper template provided in your package against the wall on which you want to install the appliance.
2. Using a drill bit a little smaller than the closed end of the plastic anchor (use the same size for metal anchors), drill a hole through the center of each of the four holes marked on the template. Drill only as deep as the anchor.
3. Hammer the anchor into the wall.
4. Using a hand Phillips screw driver or your power drill, install the screw loosely.
5. Slip the slotted holes of the appliance over the screws. Position and tighten the screws.

Manually Positioning the Unit

1. Position the Aimetis Physical Security Appliance on the wall, and using a pencil, mark the slotted hole placement.
2. Using a drill bit a little smaller than the closed end of the plastic anchor (use the same size for metal anchors), drill a hole through the center of your mark. Drill only as deep as the anchor.
3. Hammer the anchor into the wall.
4. Using a hand Phillips screw driver or your power drill, install the screw loosely.
5. Test the position of the appliance by slipping one of the slotted holes over the screw.
6. Check your pencil marks. If necessary, remark all the other holes, and install the other anchors and screws.

Appendix: Advanced Features

Symphony Services

This is an advanced feature. Use under guidance from Aimetis.

The Aimetis Physical Security Appliance uses **Aimetis Symphony** software, which also runs Windows services. This screen displays the status of various **Aimetis Symphony** services. All services listed under **Core Services** must be running for your appliance to work properly.

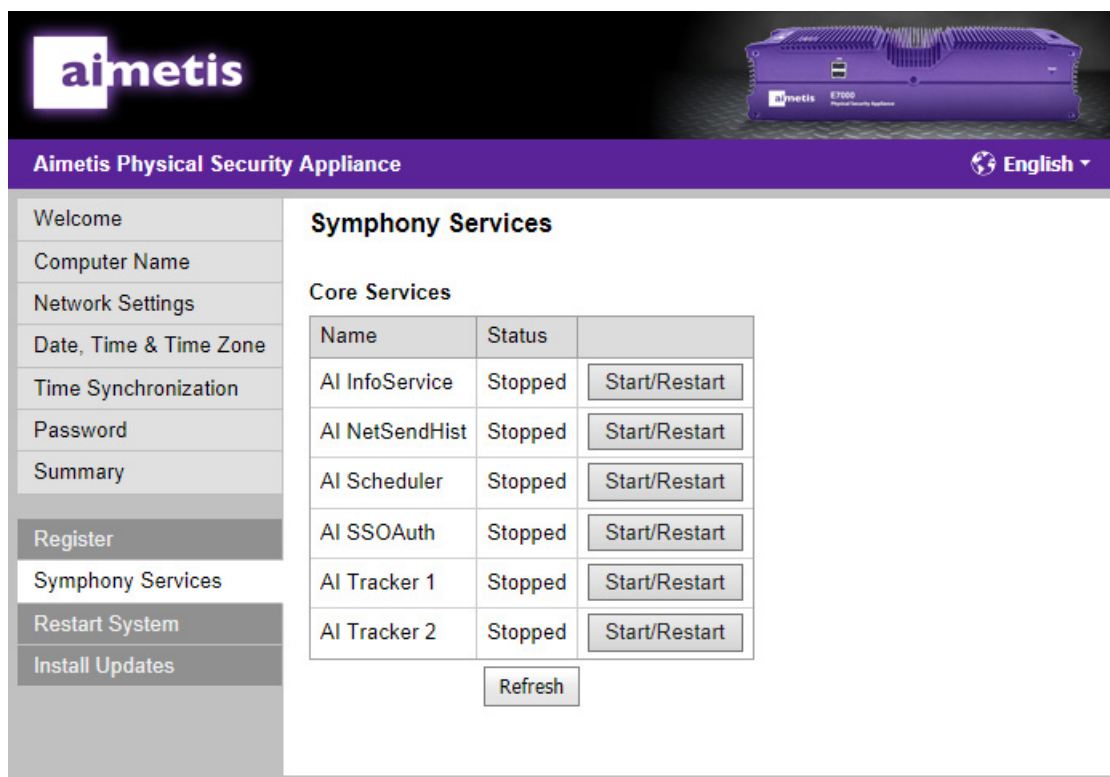


Figure 25: Symphony Services page

Core Services

If a service listed in the **Name** column is not **Running**, click the **Start/Restart** link associated with that service.

Optional Services

These services may be disabled by clicking **Stop & Disable**. For example, if you configure Aimetis Symphony Server to use a corporate SMTP mail server, you may disable **SMTP Server** on the appliance.

Note: Clicking the **Refresh** button updates the statuses of all services.

Restart System

This is an advanced feature. Use under guidance from Aimetis.

Clicking the **Restart Now** button restarts the Aimetis Physical Security Appliance only and not your computer.

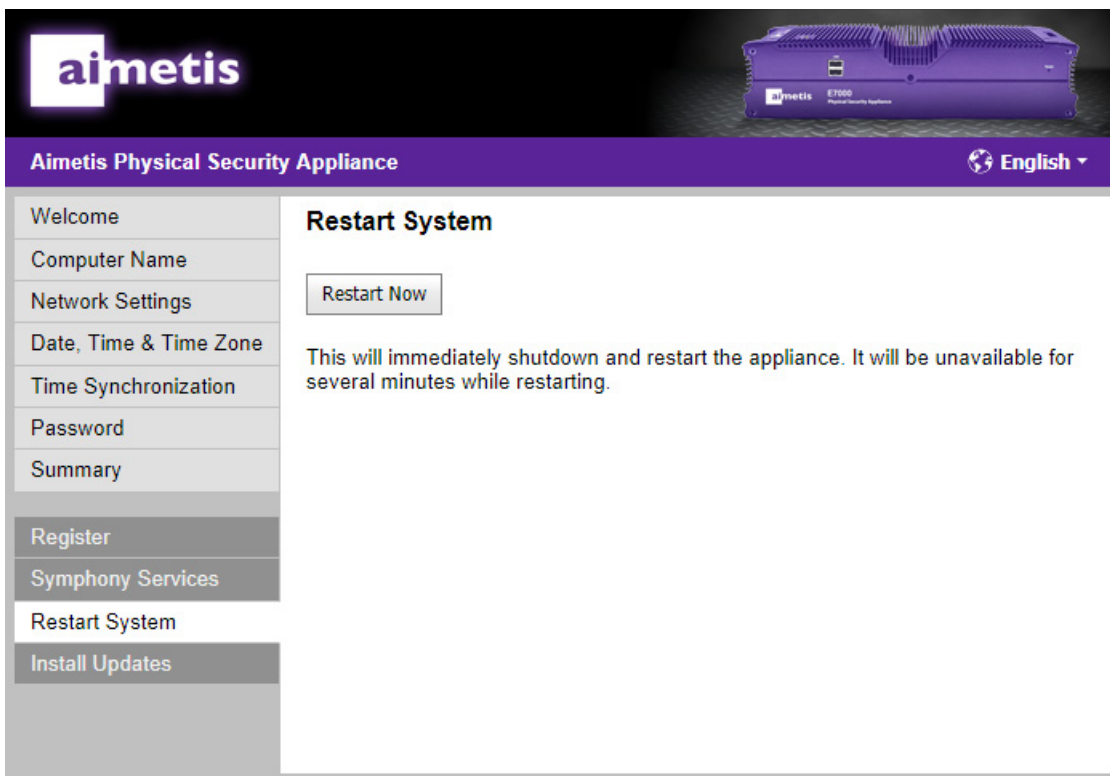


Figure 26: Restart System page

Update System

This is an advanced feature. Use under guidance from Aimetis.

When an update is available from Aimetis that you require, you may update your Aimetis Physical Security Appliance.

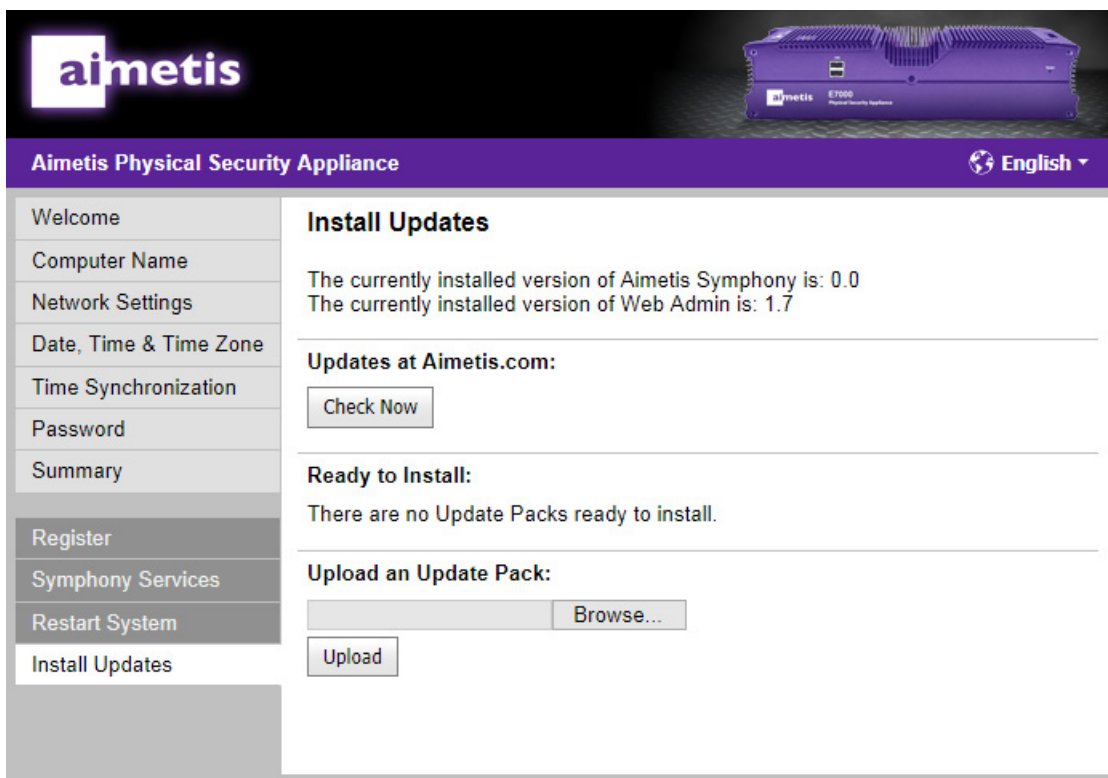


Figure 27: Upload an update pack page

1. Make sure your computer is connected to the Internet and the Aimetis Physical Security Appliance.
2. Go to the **Aimetis Xnet** and download an update pack. Save the pack in a convenient location on your computer.
3. Click **Browse** to select the update pack saved on your computer.
4. Click **Upload**. The filename is displayed in the **Pack** column.
5. Click the **Install** link next to the Update Pack you uploaded. Follow any on-screen instructions.

Inputs/Outputs

The pin assignments should be used when connecting input and output devices to the Aimetis Physical Security Appliance. For more information about integrating I/O devices with Aimetis Symphony, refer to the *Aimetis Symphony Online Help*.

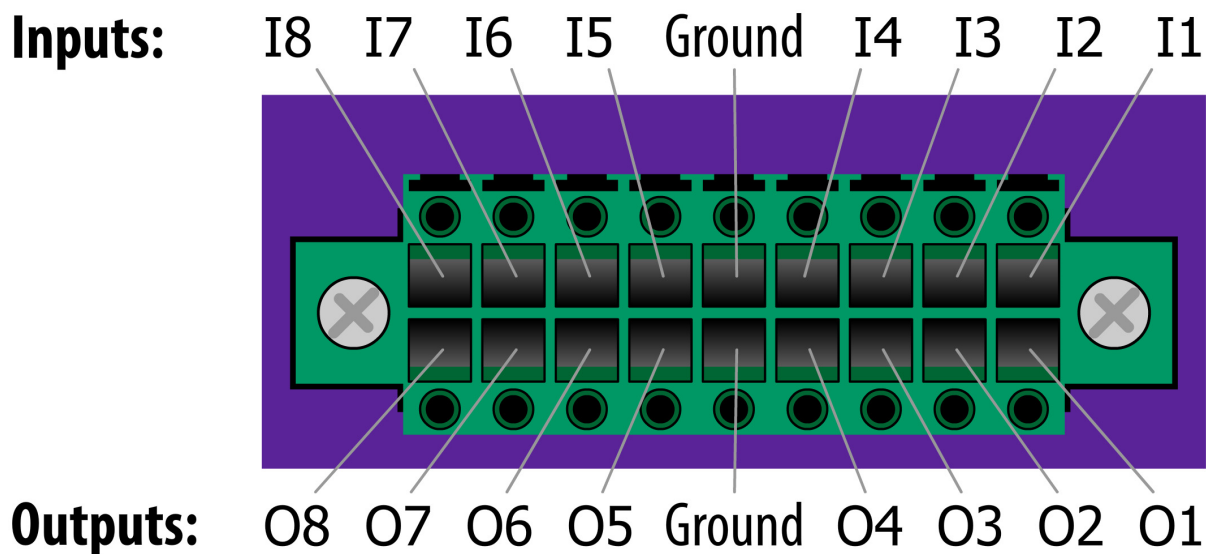


Figure 28: DIO on E4000 Series

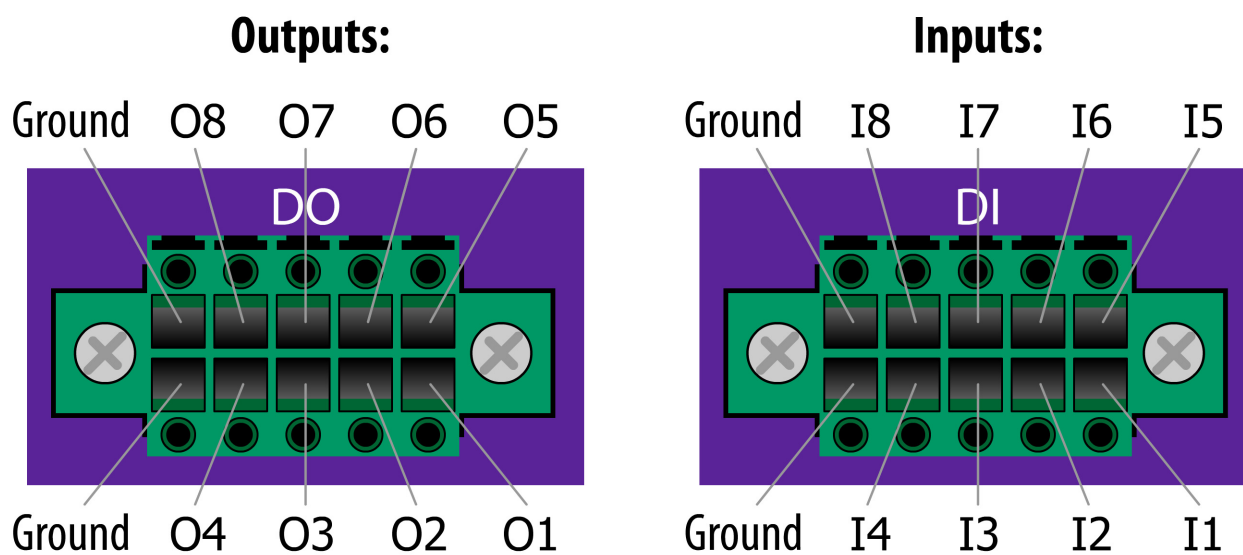


Figure 29: DIO on E7000 Series

Table 5: Connection Information

Digital Inputs	
To activate:	Connect to ground
To deactivate:	Leave floating or unconnected
Notes:	Source current when active: <1 mA
Digital Outputs	
When activated:	Connected to ground
When deactivated:	Left floating
Notes:	Max. sink current: 100 mA Max. voltage: 5V DC

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