

Pro-face

by **Schneider** Electric

Pro-face Connect Quick Start Guide

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All pertinent state, regional, and local safety regulations must be observed when installing and using this product. For reasons of safety and to help ensure compliance with documented system data, only the manufacturer should perform repairs to components.

When devices are used for applications with technical safety requirements, the relevant instructions must be followed.

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Failure to observe this information can result in injury or equipment damage.

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Safety Information



Important Information

NOTICE

Read these instructions carefully, and look at the equipment to become familiar with the device before trying to install, operate, service, or maintain it. The following special messages may appear throughout this documentation or on the equipment to warn of potential hazards or to call attention to information that clarifies or simplifies a procedure.



The addition of this symbol to a “Danger” or “Warning” safety label indicates that an electrical hazard exists which will result in personal injury if the instructions are not followed.



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

DANGER

DANGER indicates a hazardous situation which, if not avoided, **will result in** death or serious injury.

WARNING

WARNING indicates a hazardous situation which, if not avoided, **could result in** death or serious injury.

CAUTION

CAUTION indicates a hazardous situation which, if not avoided, **could result in** minor or moderate injury.

NOTICE

NOTICE is used to address practices not related to physical injury.

PLEASE NOTE

Electrical equipment should be installed, operated, serviced, and maintained only by qualified personnel. No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material.

A qualified person is one who has skills and knowledge related to the construction and operation of electrical equipment and its installation, and has received safety training to recognize and avoid the hazards involved.

About the Book



At a Glance

Document Scope

This document describes how to quickly install, configure, and test Pro-face Connect. Pro-face Connect provides secure remote access to data generated by devices as if you were on site.

NOTE: Read and understand this document and all related documents (*see page 7*) before installing, operating, or maintaining your Pro-face Connect.

Pro-face Connect users should read through the entire document to understand all features.

Validity Note

This documentation is valid for this product. The technical characteristics of the device(s) described in this manual also appear online at <http://www.pro-face.com>. The characteristics presented in the present document should be the same as those that appear online. In line with our policy of constant improvement we may revise content over time to improve clarity and accuracy. In the event that you see a difference between the document and online information, use the online information as your reference.

Restrictions about this product are available at <http://www.pro-face.com/trans/en/manual/1072.html>.

Related Documents

You can download the manuals related to this product, such as the software manual, from our support site at <http://www.pro-face.com/trans/en/manual/1001.html>

Pro-face Connect

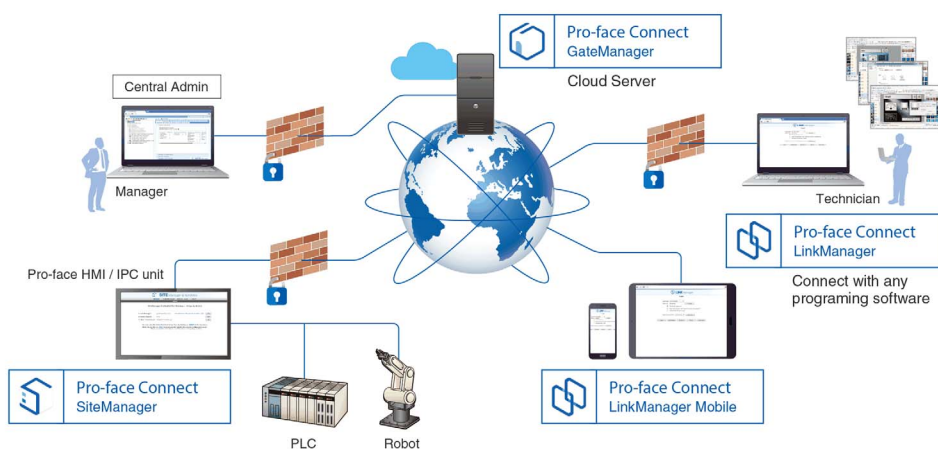
Overview

Pro-face Connect allows technicians and programmers to remotely monitor, diagnose, control, and program devices. This can significantly reduce the cost of maintaining devices and maximize device uptime. Remote access to the device is achieved by means of a private, point-to-point connection. Access to this connection is strictly controlled and all data sent and received on the connection is encrypted.

Use Case

This quick start guide presents a typical use case for the deployment of Pro-face Connect. It describes how to install and configure the components of a Pro-face Connect solution, then use them to control an HMI display unit located on a remote work site from a laptop computer located in a local office.

The following figure shows the use case:



NOTE: The HMI appliance and the PLC must be on the same local network at the work site. Modify all IP addresses that appear in this guide to those used on your network.

NOTE: This document illustrates one possible use case. Pro-face Connect supports many different device types and architectures. Adapt the steps in this document to correspond to your environment.

Use Case Components

Overview

The following sections describe the components of the use case solution.

For overall system requirements, refer to *[Operating Environment](#)*.

Licenses

You must have a pack of licenses to use Pro-face Connect.

For more information about the available license types, click on the following link: <http://www.pro-face.com/trans/en/manual/1061.html>.

This document assumes the use of a 30-day free trial pack of licenses, which includes:

- 1 x Pro-face Connect LinkManager license
- 1 x Pro-face Connect SiteManager Extended 5 agents license

HMI/IPC Appliance

This use case assumes the use of a GP4000 Series touchscreen display unit compatible with the latest version of the GP-Pro EX (Ver. 4.07.100 or later).

NOTE:

The HMI appliance must have Internet access. For HMI appliances with no Web browser in the application, you can check this as follows:

1. Temporarily connect a PC at the same network connection point
2. Set the PC network settings to those of the HMI appliance
3. Start an Internet browser on the PC and check you can access Web pages.

This may require retrieving settings or obtaining authorization from the IT infrastructure of the work site. Only outbound authorization is required in most cases.

For a complete list of appliances that support Pro-face Connect, refer to *[Supported Model List](#)*.

SiteManager

The SiteManager software runs on the HMI appliance. It is installed on the appliance as part of GP-Pro EX RunTime.

To be registered with the GateManager component, SiteManager requires outgoing access to specific ports and protocols. At least one of the following outbound rules must be granted on the HMI appliance:

- TLS through Web proxy
- HTTPS to remote IP address of GateManager, remote port 443
- TLS over HTTP to remote IP address of GateManager, remote port 80

The SiteManager has a web user interface in order to configure it. The SiteManager web user interface is accessible from the GateManager web user interface.

LinkManager

The LinkManager software is installed on a laptop computer in the office and is typically used by service engineers. LinkManager allows secure remote access to devices.

This use case assumes:

- A laptop computer running Windows 10, 64-bit edition
- A Windows user account on the laptop computer with administrator privileges.
- Access to the Internet using the HTTPS protocol. This may need to be configured on the corporate firewall and/or the personal firewall on the PC.

LinkManager Mobile

LinkManager Mobile allows users to remotely access equipment via their iPhone, iPad or Android devices.

It is designed for accessing graphical interfaces on PLCs or HMIs, for example.

For more information, refer to the Pro-face Remote HMI FAQ on the [Pro-face Website](#).

GateManager

The GateManager software runs on a Schneider Electric-hosted network server. You use GateManager to create secure, encrypted connections between appliances on the work site and the LinkManager software running on personal computers in the office. The Web-based user interface requires use of the HTTPS protocol. When you request a trial license, or purchase a license, a secure, private customer domain folder on the server is automatically created. Login credentials of a GateManager administrator account on this customer domain are then provided by email.

It is the role of the GateManager administrator to configure this domain. This involves:

- Attaching purchased licenses to SiteManager appliances.
- Creating subdomains for organizing equipment based on their purpose, access level, physical location, and so on.
- Verifying for the entire customer domain the network status of all SiteManager and LinkManager components.
- Creating and managing other GateManager administrator accounts and LinkManager user accounts.

WARNING

EQUIPMENT DAMAGE

- Before any maintenance action, ensure by phone that you have on-site agreement.
- Before any update, ensure that you have a stable Internet and electricity environment.
- In particular, do not use 3G through a mobile phone setup as tethering hotspot for any update

Failure to follow these instructions can result in death, serious injury, or equipment damage.

Device

This use case assumes the use of a PLC, which has a configurable Ethernet interface. The device must be physically connected to the HMI appliance with an Ethernet cable. Make a note of the Ethernet configuration details (IP address and subnet mask) of the device.

Pro-face Connect supports a wide range of both Schneider Electric and third-party devices.

Remote Monitoring Software

Pro-face Connect only establishes a connection to the appliance. Therefore, any remote monitoring software can be used provided that the network requirements (open ports, and so on) are met.

This use case assumes the use of GP-Viewer EX, installed on the same laptop computer as the LinkManager software.

Internet Browser

An Internet browser is required to access the Web-based user interfaces of LinkManager, SiteManager, and GateManager.

This document assumes the use of Google Chrome version 67. Any recent version of Mozilla Firefox or Internet Explorer 9 (or later) can also be used.

Configuring a Web-Proxy Server

Depending on the network policies in place at the work site, outgoing connections to the Internet may be restricted (IP address range blocked, port range blocked, protocol types blocked, and so on). Both the SiteManager and LinkManager components may require a Web proxy to access the Internet.

If this is the case, contact the network administrator of your work site for help in setting up the connection to the Internet to use a Web proxy.

The SiteManager user interface, for example, allows you to configure a Web proxy:

The screenshot shows a web-based configuration interface for SiteManager. At the top, there is a navigation bar with five tabs: 'Viewer Settings', 'Time Zone Settings', 'Pro-face Remote HMI', 'SiteManager Embedded', and an empty tab. Below the navigation bar, the main content area is titled 'Web-proxy Address:' and contains three input fields: 'Web-proxy Account:', 'Web-proxy Password:', and a third empty field. At the bottom of the main area, there are three buttons: 'Reset to Default', 'Apply Changes', and a back arrow button. The bottom status bar contains four items: 'Exit', 'Back', and a timestamp '2016/08/31 13:59:28'.

Web-proxy Address. IP address of the Web proxy. An IP address, optionally followed by a colon (:) and a port number. For example, 10.11.0.100:9400 or 10.0.11.0.100 (port 80 is used by default).

Web-proxy Account. Web proxy user name, if any.

Web-proxy Password. Password for the Web proxy user name, if any.

NOTE: For information on how to enter this interface, or details about each setup item, refer to the *GP-Pro EX Reference Manual*.

Installation Overview

Installation Steps

WARNING

UNINTENDED EQUIPMENT OPERATION

This product must be installed and configured by qualified software installation staff with administrator rights.

Failure to follow these instructions can result in death, serious injury, or equipment damage.

Perform the steps in the following order:

1. Connect to the GateManager user interface (*see page 10*)
2. Create user accounts (*see page 12*)
3. Enable the SiteManager connection of the HMI appliance to GateManager (*see page 15*)
4. Register the HMI appliance with SiteManager (*see page 16*)
5. Create an agent (*see page 18*)
6. Install LinkManager (*see page 21*)
7. Log in to LinkManager and test the connection (*see page 22*)
8. Connect to the appliance remotely

NOTE: When using Pro-face Remote HMI with Pro-face Connect, it is required to set up the Pro-face Connect LinkManager Mobile parameters into the Pro-face Remote HMI user interface. To configure Pro-face Remote HMI, refer to the Pro-face Remote HMI FAQ on the [Pro-face Website](#).

Step 1: Connecting to the GateManager

Overview

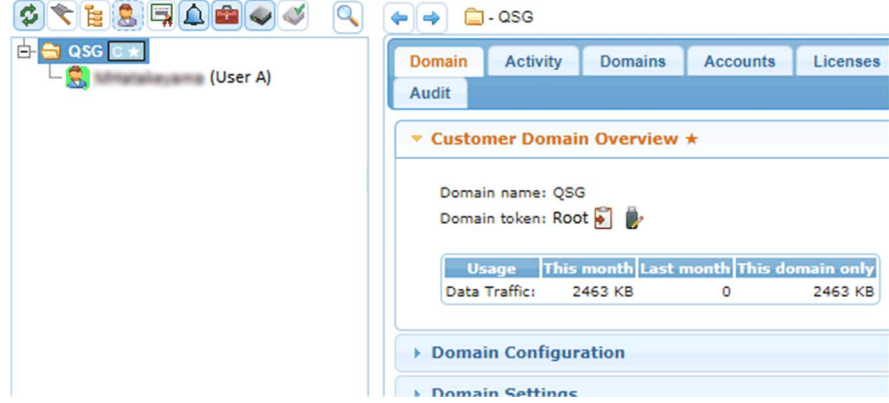
The first step is to request a trial license for Pro-face Connect, then log in to the GateManager user interface using the credentials provided. This step can be done on the laptop computer in the office or any other computer.

Obtaining a Trial License

Step	Action
1	Contact your country's point of sale.
2	Ask for a Pro-face Connect trial, by providing an email address for receiving the credentials of a user account for the usage of such a trial. Result: A message is sent to the email address you provide.

Logging In to GateManager

Step	Action
1	<p>Open the email that you receive, which contains all the information you need to log in to GateManager. For example:</p> <div data-bbox="299 314 1126 745" style="border: 1px solid gray; padding: 5px;"> <p>4 KB</p> <p>Hello [redacted]</p> <p>This mail contains a new X.509 certificate for the Pro-face GateManager administrator login. The password associated with the certificate is: SVFICHaol4100</p> <p>Save the attached file, [redacted].gmc, in your Windows "My Documents" folder.</p> <p>Follow this link to the GateManager administrator login screen: https://jp.gatemanager.proface.com It is recommended to bookmark this page in your browser. The login screen will ask you to load the certificate file and enter the password.</p> <p>GateManager has been verified to work with Internet Explorer 9 (IE8 also works), Google Chrome, Apple Safari, and Mozilla Firefox. Please ensure that your browser is up-to-date and has JavaScript and TLS 1.0 enabled if you have problems connecting.</p> <p>----- Additional information -----</p> <p>The certificate in this mail is issued to user "Proface-[redacted]" in domain "ROOT" on server "test-jp.gatemanager.proface.com".</p> <p>Pro-face appliances, such as a SiteManager that should be administered by this account or by LinkManager users created by this account, should be configured with the following GateManager settings:</p> <p>GateManager Address: [redacted] Domain Token: ROOT</p> </div> <ol style="list-style-type: none"> 1 Attached certificate file, with a .gmc (GateManager Certificate) extension 2 Password to use with the certificate 3 Web site address to use to log in to the GateManager user interface 4 This domain token value is later used in the GP-Pro EX RunTime of the HMI appliance. It is used to register the appliance in the GateManager customer domain.
2	Save the GateManager certificate attached to the email to the local file system.
3	<p>Click the GateManager link in the received email (or copy and paste the link into a Web browser) to access the GateManager Login window:</p> <div data-bbox="316 1006 1122 1518" style="border: 1px solid gray; padding: 10px; text-align: center;"> <p>GATE Manager</p> <p>Pro-face Connect Login</p> <p><input checked="" type="radio"/> Certificate: <input type="button" value="Choose File"/> No file chosen <input checked="" type="checkbox"/> Remember Certificate</p> <p><input type="radio"/> User name:</p> <p>Password: <input type="text"/></p> <p><input type="button" value="Login"/></p> <p>Pro-face Connect</p> </div>
4	<p>Select the Certificate option.</p> <p>NOTE: Logging in with a certificate offers improved cybersecurity and is the only option recommended by Schneider Electric.</p>
5	Click Choose a file , then browse and select the GateManager certificate you saved previously.
6	Enter the password contained in the received email.

Step	Action
7	<p>Click Login.</p> <p>Result: The GateManager user interface is displayed:</p> 

Step 2: Creating User Accounts

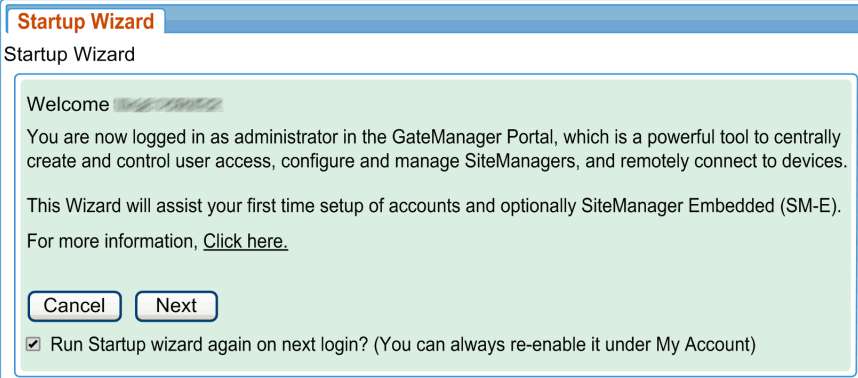
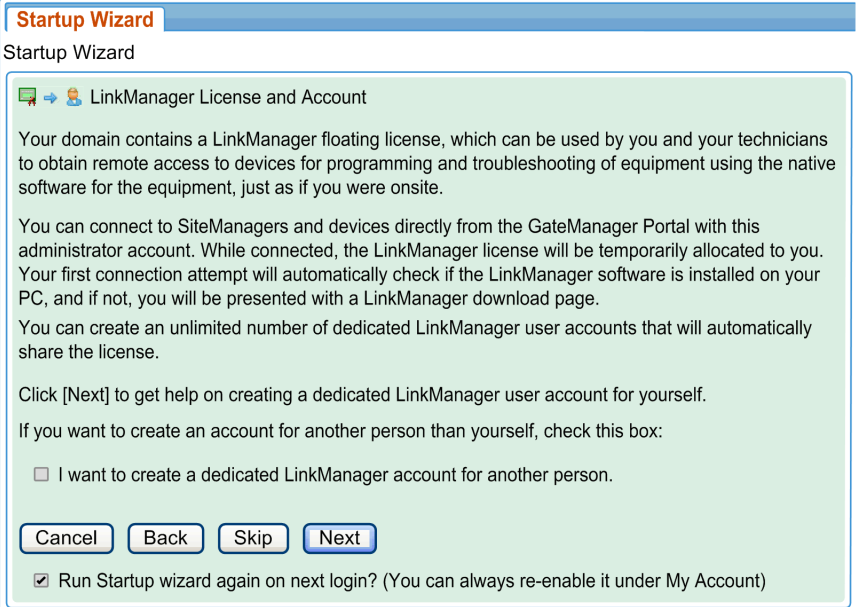
Overview

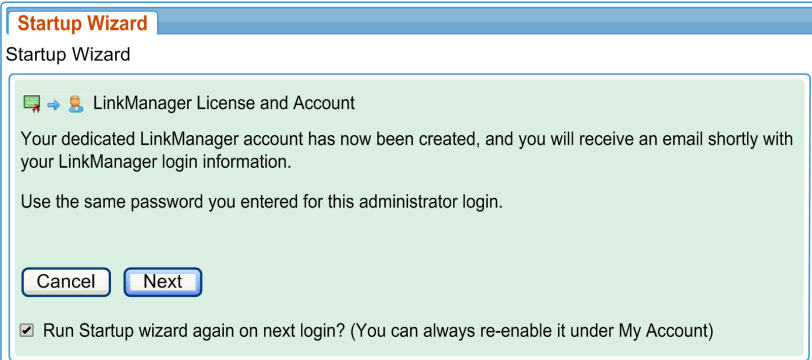
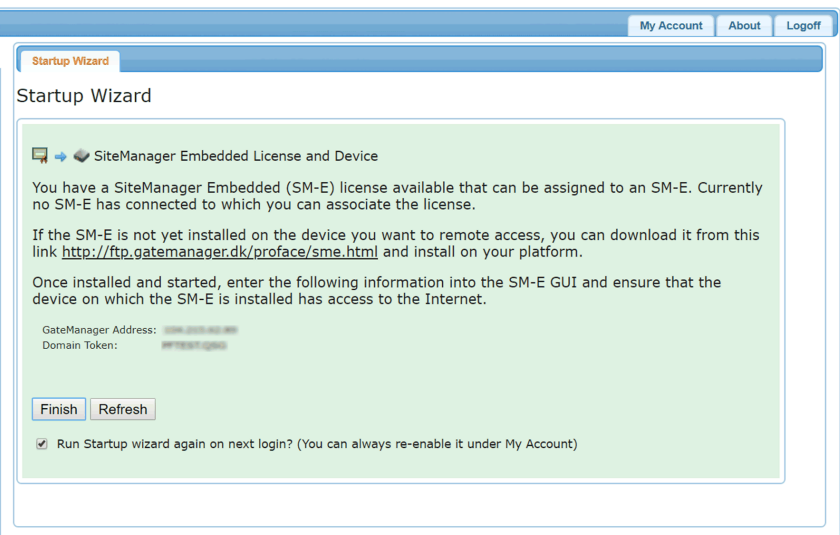
Once you have accessed the GateManager user interface, the next step is to create user accounts.

GateManager Account Type	Description
Domain Administrator	<p>An option provided by the Premium Access add-on. Allows customers to administer their own customer domain. Allows the creation of sub-domains to manage customers and/or have complete control over which LinkManager users can access which agents.</p> <p>NOTE: For sales status, please contact your country's point of sale.</p>
Basic Administrator	Standard administrator role managing the customer domain. Performs tasks such as license management and controlling LinkManager.
LinkManager User	The user role for a technician or expert: the physical person who establishes the connection from the laptop computer to the HMI appliance.

Before starting, take time to consider these roles within your organization. There may be more than one role per person, depending on the size of your organization. Therefore, you may require to create multiple accounts for the same physical person.

Creating the Domain Administrator, the Basic Administrator, and the LinkManager User Accounts

Step	Action
1	<p>The first time you log in to the GateManager user interface, a wizard screen is displayed on the right:</p> 
2	<p>Click Next. The following wizard screen is displayed:</p> 

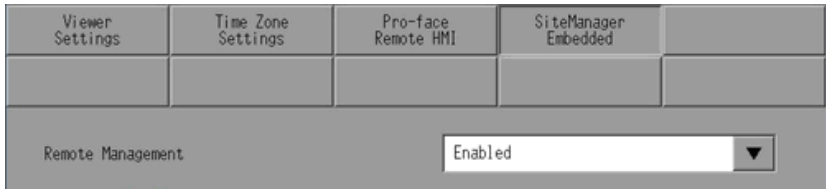

Step	Action
3	<p>Click Next. The following wizard screen is displayed:</p>  <p>Result: An email is sent to the address you specified when requesting the trial license (see page 10). You will use this email later to install LinkManager (see page 21).</p>
4	<p>Click Next. The final page of the wizard is displayed:</p> 
5	Click Finish .

Step 3: Enabling the SiteManager Connection of the HMI Appliance to GateManager

Overview

The next step is to enable the SiteManager software on the HMI appliance and establish a network connection between the appliance—physically located on the work site—and the GateManager server.

Activating and Configuring the SiteManager Software

Step	Action
1	<p>Enter Offline mode, then on the menu touch Main Unit Settings - Remote Viewer Settings, and select SiteManager Embedded.</p> <p>NOTE:</p> <ul style="list-style-type: none"> When SiteManager Embedded is not available, use GP-Pro EX Ver.4.07.100 or later to transfer the system to the display unit. For information on how to enter Offline mode, or details about each setup item, refer to the GP-Pro EX Reference Manual. You can download the manual from the Pro-face support site.
2	<p>Set the Remote Management option to Enabled:</p> 
3	<p>Specify the following items:</p> <ol style="list-style-type: none"> In the GateManager Address field, type the IP address of the GateManager server. This address is contained in the email you received when registering your trial version of Pro-face Connect. Refer to Logging in to GateManager (<i>see page 11</i>) In the Domain Token field, type the domain token assigned to you, "****-Inc". This is contained in the email you received when registering your trial version of Pro-face Connect. Refer to Logging in to GateManager (<i>see page 11</i>) In the Appliance Name field, type a unique name for your appliance, for example "GP-4601T". This name is later used to identify the appliance in the GateManager user interface. <p>If the HMI appliance has been previously configured, it is strongly recommended to click the Reset to default button in the bottom left of the window to return SiteManager to its factory default settings.</p> <p>NOTE: If your appliance uses a proxy server, you may also need to complete the Web-proxy Address, Web-proxy Account, and Web-proxy Password fields. Refer to Configuring a Web-Proxy Server (<i>see page 9</i>).</p>
4	<p>Click the Apply Changes button.</p> <p>Result: In a few seconds, the indicator next to the Status turns green to indicate a successful connection to your domain on the GateManager server:</p> 
5	To exit Offline mode, touch Exit .

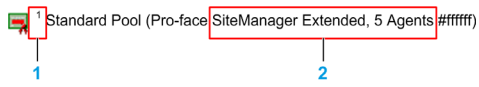

Step 4: Registering an Appliance on GateManager


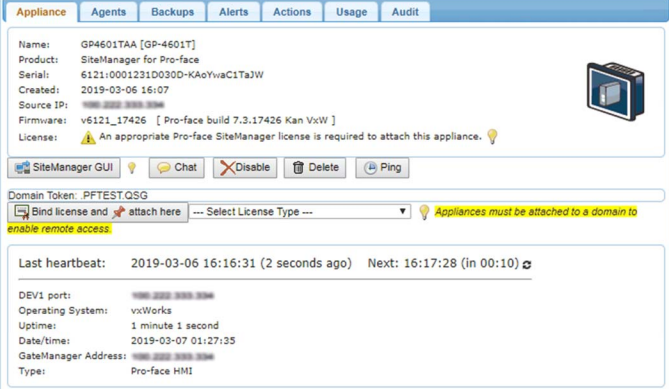
Overview

Every HMI/IPC appliance and device deployed as part of a Pro-face Connect solution must be associated with a license you have purchased. This association is made in the GateManager user interface.

Associating the HMI Appliance with a SiteManager License

NOTE: This may already have been done when using the wizard to create user accounts (see page 13).

Step	Action
1	If you are not already logged in, log in to the GateManager user interface (see Connection to the GateManager (see page 10)).
2	<p>In the Tree tab on the left, find the following entry:</p>  <p>1 Number of available licenses remaining 2 Number of SiteManager agent licenses available</p> <p>A SiteManager agent is a user-defined rule for building a remote connection to either the SiteManager appliance or a device connected to the SiteManager appliance on the work site. Creating an Agent (see page 18) describes how to create the rule for this use case. Either a SiteManager Extended, 5 Agents license (included in the trial version) or a SiteManager Extended, 10 Agents license (see page 7) is required for this use case. Make sure that there is at least one available license. If the license icon is red and 0 appears (), there are no more available licenses. In this case, return to the Pro-face Connect web site or contact your reseller to purchase additional licenses.</p>

Step	Action
3	<p>In the Tree tab on the left, select the appliance to register. Appliances are labeled with the domain prefix and appliance name you assigned in GP-Pro EX RunTime when configuring the connection to GateManager:</p>  <p>The properties of the appliance appear in the Appliance tab on the right.</p> 
4	<p>Click Bind license and attach here. Result: The appliance is associated with the SiteManager licence. Notice that the number of available licenses in the Tree view on the left is reduced by 1.</p>

Step 5: Creating an Agent

Overview

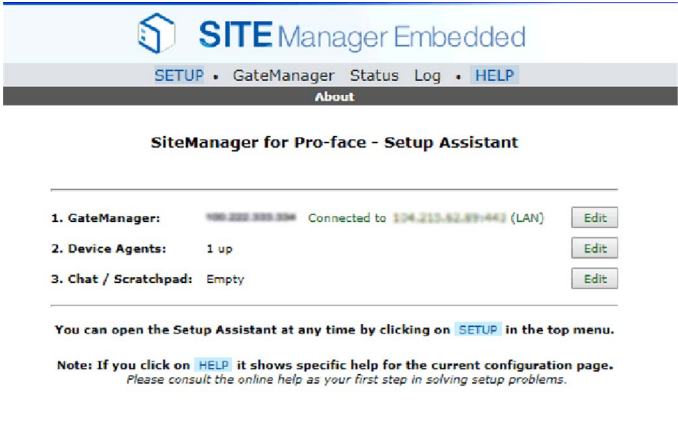

The next step is to create an agent that will allow direct access to the Ethernet interface of the PLC at the work site.


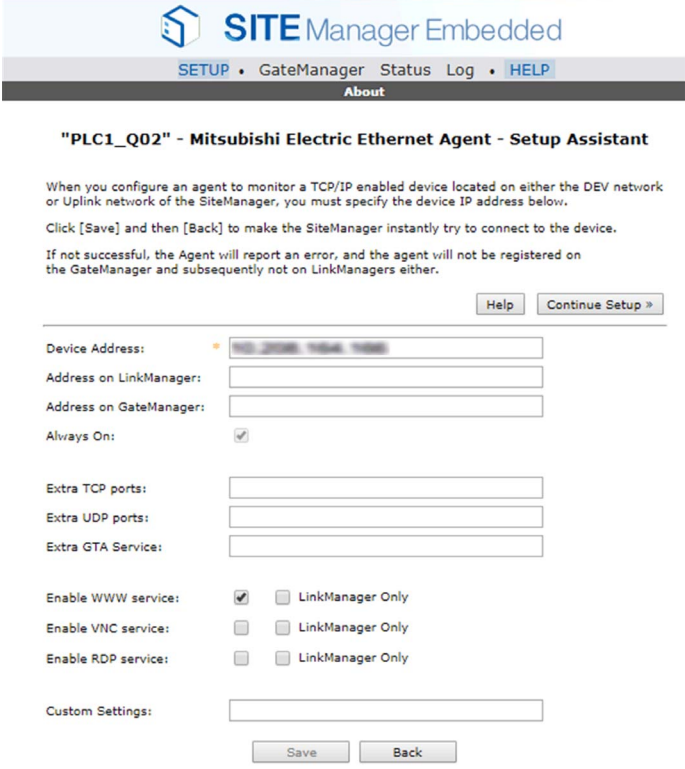
An agent is a user-defined rule containing all the parameters necessary for LinkManager to connect to an individual device. To connect to 5 devices, for example, you would need to create 5 different agents. The license in the trial version is an extended 5 license: up to 5 agents can be used with this appliance, permitting up to 5 extended devices behind the HMI/IPC appliance. Extended devices are those accessible from the HMI/IPC appliance over the network of the work site.

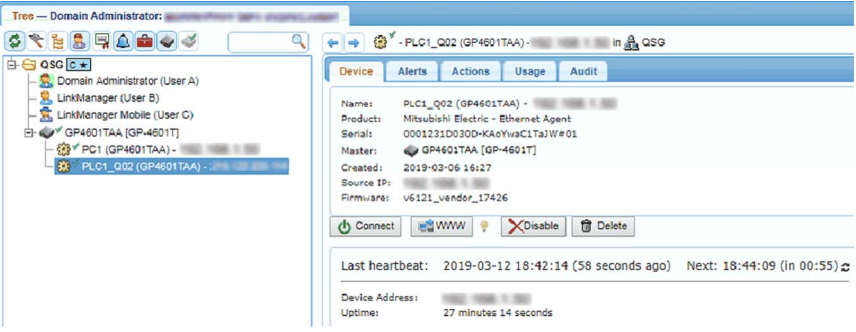
It is also possible for multiple agents to connect to the same device: for example one to establish an FTP connection to the device, and another to build a GP-Pro EX project transfer connection to the device.

Creating an Agent

Proceed as follows:

Step	Action
1	<p>On the PC logged in to the GateManager user interface (<i>see page 11</i>), right-click on the GP-4601T appliance in the Tree tab on the left and choose Open SiteManager GUI. Result: The SiteManager user interface opens in a new browser tab:</p> 
2	<p>Click the Edit button next to Device Agents. Result: A list of existing agents appears:</p> 

Step	Action
3	Click New .
4	<p>Specify the following information:</p> <ul style="list-style-type: none"> ● Device Name: PLC1_Q02 ● Device Type: Mitsubishi Electric / Ethernet <p>NOTE: The Device Type list box contains the default agent definitions for access to all supported devices (port rules, and so on).</p> <p>The GENERIC device type provides full access to the device.</p> <p>PC in the Device IP & Parameters column refers to the IP address of the appliance. PC can also be selected for HMI appliances.</p>
5	<p>Click the Parameter Details button  to display additional parameters:</p>  <p>Specify:</p> <ul style="list-style-type: none"> ● Device Address. The IP address of the PLC ● Always On. Selected
6	<p>Click Save then Continue Setup.</p> <p>Result: The new agent is added to the list of agents. If SiteManager can communicate with the device, the device status changes to IDLE after a few seconds, indicating that a connection has been made to the device but data is not yet being exchanged.</p>
7	Close the browser tab to return to the GateManager user interface.

Step	Action
8	<p>In the Tree tab on the left, select the new agent, which appears below the GP-4601T appliance:</p>  <p>Result: The status of the device appears in the Device tab on the right.</p>

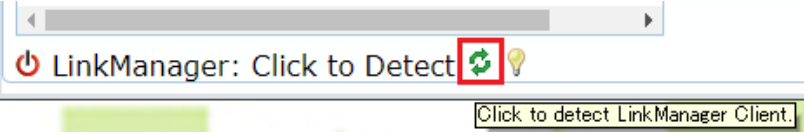
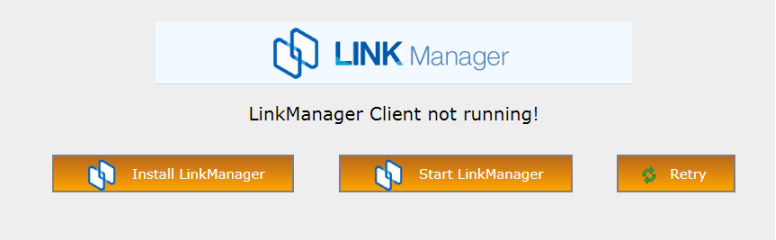

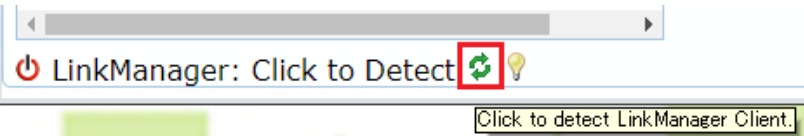
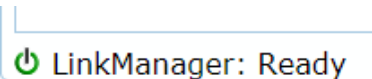
Step 6: Installing LinkManager

Overview

The next step is to install LinkManager on the laptop computer in the local office.

Installing LinkManager

To install LinkManager:


Step	Action
1	If you are not already logged in, log in to the GateManager user interface (see Connection to GateManager (<i>see page 10</i>)) on the laptop computer in the office.
2	<p>Click the Refresh icon in the bottom left corner of the GateManager window:</p>  <p>Result: GateManager checks whether the LinkManager software is installed on the laptop computer.</p>
3	<p>The following window appears:</p>  <p>Click Install LinkManager.</p>
4	A message appears asking whether you want to save the setup file. Click Run to launch the setup program.
5	<p>Click Run on the security warning window that appears.</p> <p>Result: The LinkManager software is installed on the laptop computer. When installation is complete, a LinkManager icon appears  in the Windows system tray in the bottom right of the screen.</p>
6	<p>Return to the GateManager window and click the Refresh icon in the bottom left of the window again:</p>  <p>This time, the installed LinkManager software is detected and the message changes to LinkManager: Ready:</p>  <p>LinkManager is now installed and ready for use.</p>

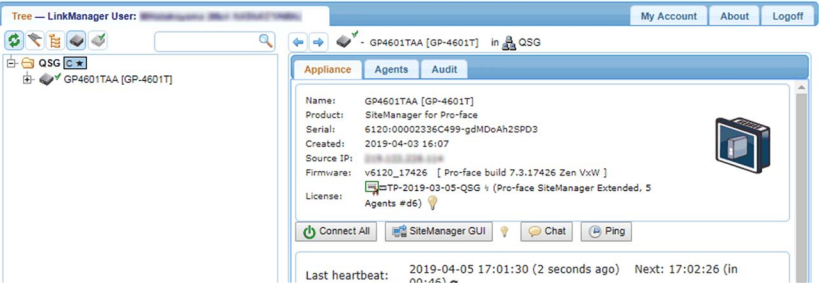
Step 7: Starting LinkManager and Connecting to Device

Overview

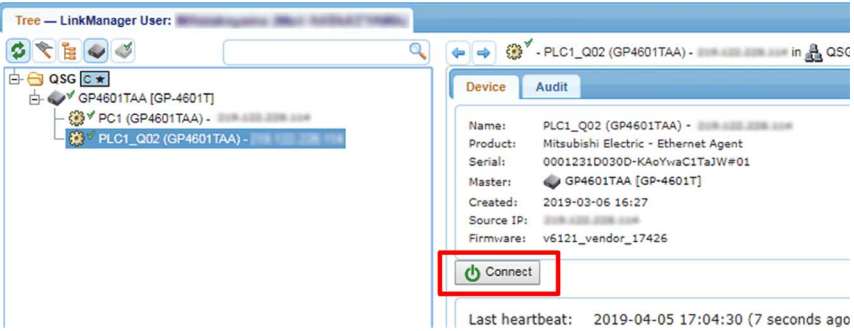
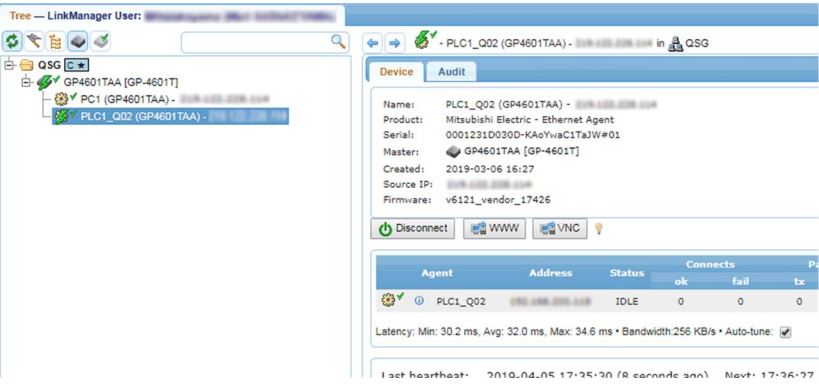
The next step is to log in to LinkManager on the laptop computer and view data generated by the device.

Logging in to LinkManager

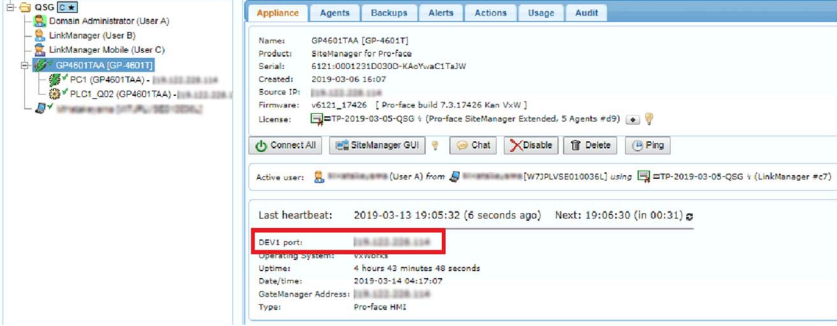
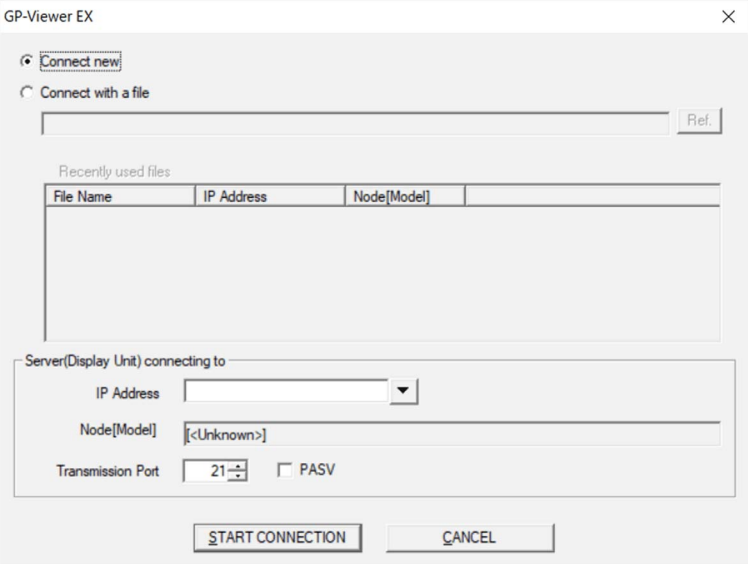
Step	Action
1	<p>Open the email you received after creating the LinkManager user account (see Creating the Domain Administrator, the Basic Administrator, and the LinkManager User Accounts (see page 13)). For example:</p> <div data-bbox="358 552 1170 1045" style="border: 1px solid #ccc; padding: 5px;"> <p>Hello Brian Smith</p> <p>This mail contains your personal X.509 certificate for the Pro-face LinkManager user login. The password associated with the certificate is kdiqlQgsth9527</p> <p>Save the attached file, LinkManager_... .lmc, in a document folder on your computer.</p> <p>Follow this link to the LinkManager login screen: http://test-jp.gatemanager.proface.com/LinkManager/LinkManagerLogin.aspx (It is recommended to bookmark this page in your browser)</p> <p>The login screen will ask you to load the certificate file and enter the password.</p> <p>LinkManager has been verified to work with Internet Explorer, Chrome, and Firefox. Please ensure that your browser is up-to-date and has JavaScript enabled if you have problems connecting.</p> <p>A Tutorial for your LinkManager Version 8.3 is available at http://test-jp.gatemanager.proface.com/LinkManager/LinkManagerLogin.aspx</p> <p>----- Additional information -----</p> <p>The certificate in this mail is issued to user "LinkManager_BrianSmith" in domain "ROOT" on server "test-jp.gatemanager.proface.com".</p> <p>Pro-face appliances, such as a SiteManager, that should be administered by this account, should be configured with the following GateManager settings:</p> <p>GateManager Address: http://test-jp.gatemanager.proface.com Domain Token: ROOT</p> <p>For more information please check http://test-jp.gatemanager.proface.com/LinkManager/LinkManagerLogin.aspx</p> </div> <p>1 Password associated with the certificate 2 Address to use to log in to the LinkManager user interface 3 Domain token prefix used to identify appliances</p>
2	<p>The default Web browser is launched and the LinkManager login window appears:</p> <div data-bbox="367 1176 1157 1676" style="border: 1px solid #ccc; padding: 10px; text-align: center;">  <p>Pro-face Connect Login</p> <p><input checked="" type="radio"/> Certificate: <input type="button" value="Choose File"/> No file chosen <input checked="" type="checkbox"/> Remember Certificate</p> <p><input type="radio"/> User name:</p> <p>Password: <input type="password"/></p> <p><input type="button" value="Login"/></p> <p>Pro-face Connect</p> </div>

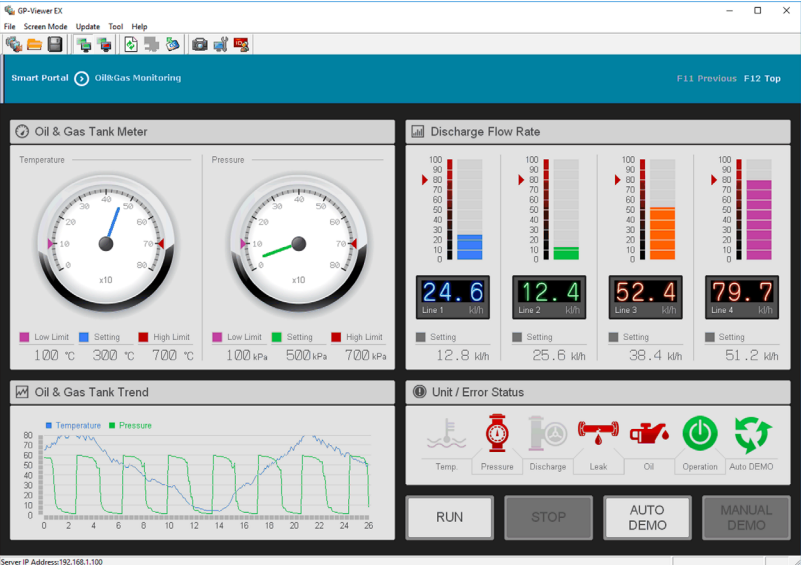
Step	Action
3	Select the Certificate option. NOTE: Logging in with a certificate offers improved cybersecurity and is the only option recommended by Schneider Electric.
4	Click Choose and select the previously downloaded LinkManager certificate file.
5	Enter the password from the email you received.
6	Click Login . Result: The Link Manager user interface appears:  <p>The screenshot shows the LinkManager web interface. On the left is a tree view with 'QSG' and 'GP4601TAA [GP-4601T]'. The main panel displays details for the selected appliance:</p> <ul style="list-style-type: none"> Name: GP4601TAA [GP-4601T] Product: SiteManager for Pro-face Serial: 6120:00002336C499-gdMDoAh2SPD3 Created: 2019-04-03 16:07 Source IP: [Redacted] Firmware: v6120_17426 [Pro-face build 7.3.17426 Zen VxW] License: [Redacted] TP-2019-03-05-QSG (Pro-face SiteManager Extended, 5 Agents #d6) <p>At the bottom, it shows 'Last heartbeat: 2019-04-05 17:01:30 (2 seconds ago) Next: 17:02:26 (In 00:06:1)'. Navigation buttons include 'Connect All', 'SiteManager GUI', 'Chat', and 'Ping'.</p> NOTE: The LinkManager user interface is very similar to that of the GateManager.

Connecting to the PLC

Step	Action															
1	<p>In the Tree tab on the left of the LinkManager user interface, expand the domain structure and select first the GP-4601T device, then the PLC1_Q02 agent that you created earlier in GateManager (see page 18).</p> <p>Result: The device properties appear in the Appliance tab on the right.</p>															
2	<p>Click the Connect button on the right:</p>  <p>NOTE: You could also select the GP-4601T appliance on the left, then click the Connect All button that appears on the right to connect all agents defined for the appliance simultaneously.</p> <p>Result: The PLC connection details appear:</p>  <table border="1" data-bbox="734 1116 1177 1207"> <thead> <tr> <th rowspan="2">Agent</th> <th rowspan="2">Address</th> <th rowspan="2">Status</th> <th colspan="3">Connects</th> </tr> <tr> <th>ok</th> <th>fail</th> <th>tx</th> </tr> </thead> <tbody> <tr> <td>PLC1_Q02</td> <td>192.168.200.100</td> <td>IDLE</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table> <p>A secure connection has now been established between LinkManager and the device.</p> <p>NOTE: You can also click the WWW button on the right to log in to the web site embedded in the PLC. This allows you to directly monitor the controller, view diagnostics, and perform a number of maintenance operations (including stopping and starting the controller).</p>	Agent	Address	Status	Connects			ok	fail	tx	PLC1_Q02	192.168.200.100	IDLE	0	0	0
Agent	Address				Status	Connects										
		ok	fail	tx												
PLC1_Q02	192.168.200.100	IDLE	0	0	0											

Remotely Accessing the HMI Appliance with GP-Viewer EX

Step	Action
1	Log in to GateManager.
2	<p>In the Tree tab on the left of the GateManager user interface, select the HMI appliance to connect. Confirm the IP address in the DEV1 port.</p> 
3	<p>Start GP-Viewer EX. Set the IP address confirmed in DEV1 port to Server (Display Unit) connecting to area's IP Address field.</p>  <p>NOTE: Select PASV when connection problems occur due to network security.</p>
4	Click START CONNECTION .

Step	Action
5	<p>The screen of the HMI appliance appears on GP-Viewer EX.</p>  <p>NOTE: For more details on GP-Viewer EX set up procedure, refer to the <i>GP-Viewer EX Operation Manual</i>.</p>

Glossary



A

agent

An object that contains all the parameters necessary for LinkManager, LinkManager Mobile, and Pro-face Remote HMI to connect to a remote device. For example, an agent might specify use of the FTP protocol, the IP address of the device, and use of the standard FTP port number.

appliance

An HMI/IPC display unit that LinkManager can connect to.

D

device

A device, such as a Programmable Logic Controller (PLC), that connects to a display unit.

display unit

Indicates a touch-panel display unit manufactured by Schneider Electric for displaying the screen interface designed in Screen Editor or Logic Program Software.

domain

A private area of the GateManager software in which to configure and manage users, appliances, licenses, audit logs, alerts, automated actions, and so on.

domain token

A text string provided to you when you register Pro-face Connect. When concatenated with the appliance name, uniquely identifies appliances in your domain.

G

GateManager

It is used for user administration and access control for LinkManager, and acts as communication broker between LinkManager and SiteManager.

H

HTTPS

Hyper Text Transfer Protocol Secure

L

LinkManager

The software installed on your computer, allows remote access to SiteManager and/or devices represented by agents on the SiteManager.

LinkManager Mobile

The software installed on your tablet or your smartphone, allows remote access to HMI appliances.

P

Pro-face Remote HMI

The app installed on your tablet or your smartphone, allows remote access to HMI appliances.

S

SiteManager

Refers to display units on the work site connected to the Pro-face Connect network.

SiteManager Embedded

Software used to set up access to the Pro-face Connect network. This software may not be required as you can set up the network connection from the offline screen of some display units.

SiteManager Embedded Basic

One of the license formats required to use SiteManager Embedded. Allows access to the display unit and registration of up to two agents.

SiteManager Embedded Extended

One of the license formats required to use SiteManager Embedded. Allows access to external IP devices – such as PLCs, IPCs, server, Web camera, and so on, on the same network as the display unit, and registration of five agents or more.

subdomain

A logical division of a domain, useful for organizing equipment based on purpose, access level, physical location, and so on.

T

TLS

Transport Layer Security