



Siemens Comfort Panel Sm@rtServer Setup

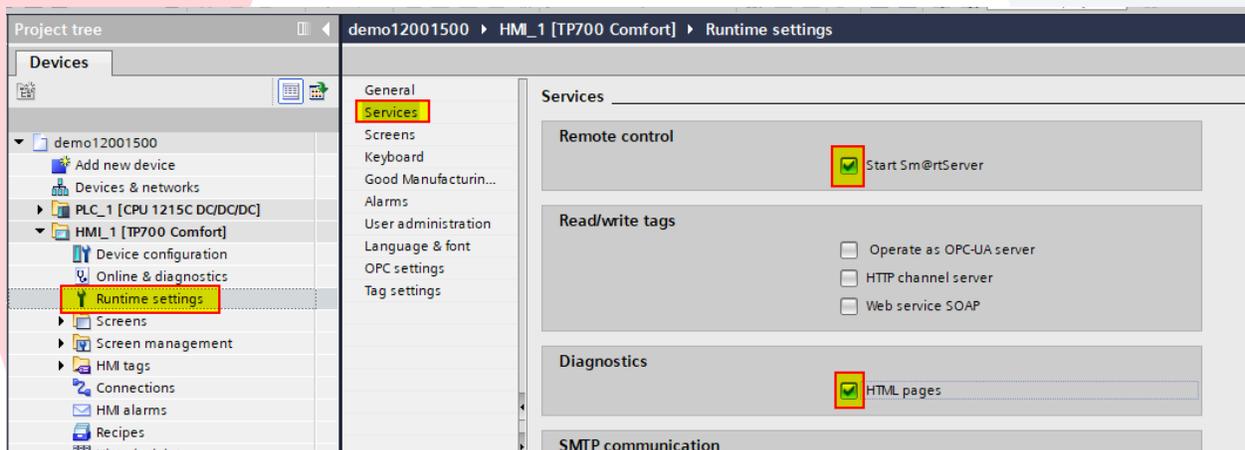
Scott Henry – Automation Specialist

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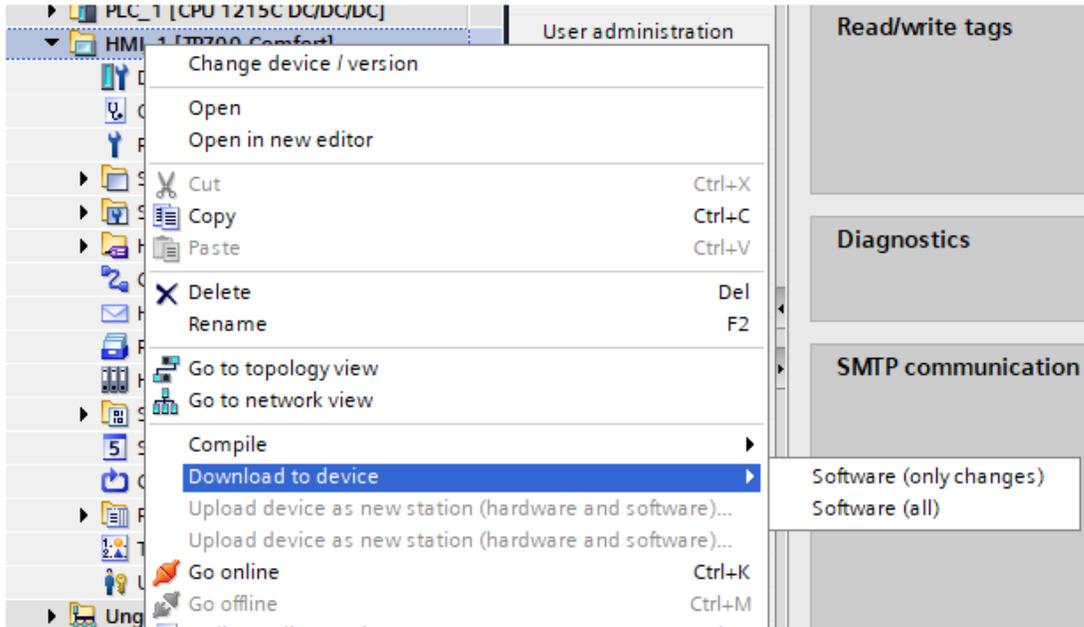
Siemens Sm@rtServer allows users to remotely view Comfort Panel screens on a PC using the Siemens Sm@rtClient desktop app or a VNC viewer desktop app. The setup of Sm@rtServer consists of two steps: setup in the TIA Portal project and setup of the panel.

Sm@rtServer Setup in the HMI project

As a prerequisite, you must have Sm@rtServer settings enabled in the HMI project and the HMI project downloaded to the panel. Sm@rtServer settings are located in the Runtime Settings->Services section of the HMI project. Check the box next to 'Start Sm@rtServer' in the Remote Control section and check the box next to 'HTML pages' in the Diagnostics section.

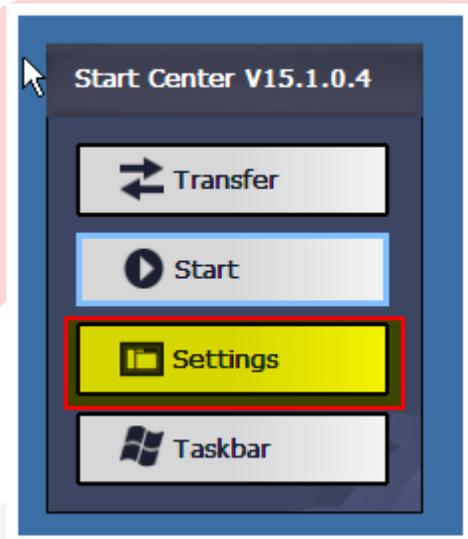


Once the settings are made, right click on the Comfort Panel in the project tree, expand 'Download to device' and select 'Software (All)'.

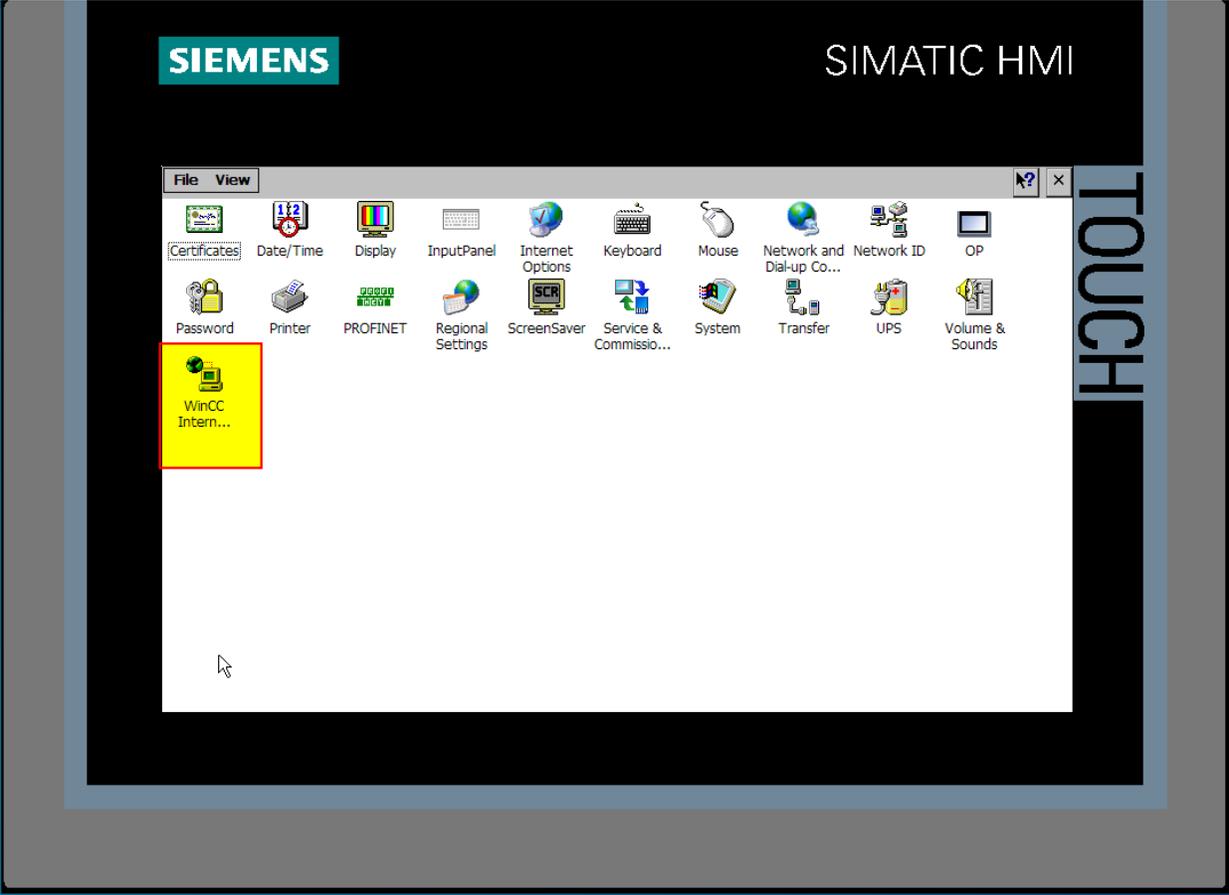


Sm@rtServer setup on the HMI

On the Comfort Panel, exit runtime (reboot panel) and click the Setting button in the Start Center menu to get to the Comfort Panel's Control Panel view.

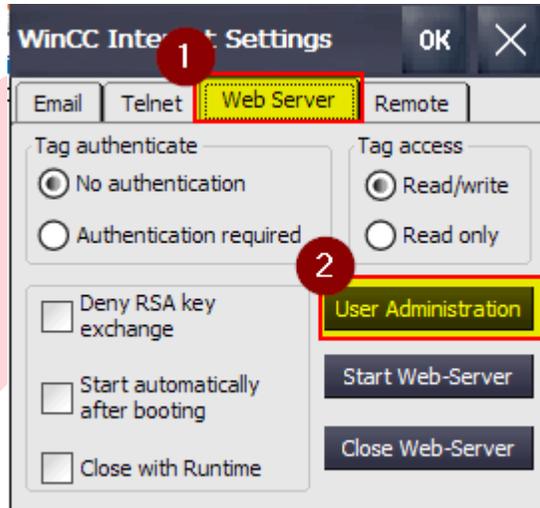


Double click on the WinCC Internet Settings icon.

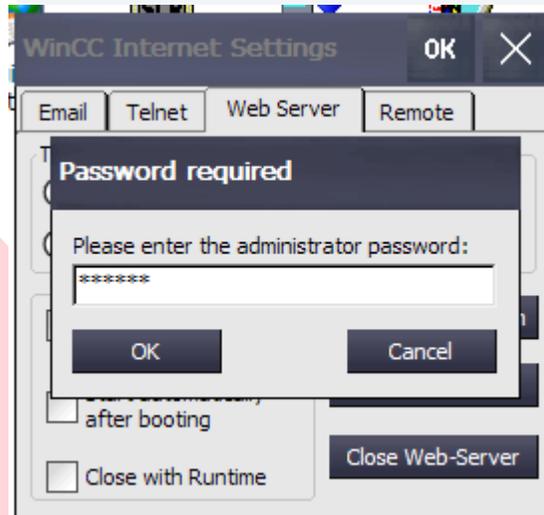


Sm@rtServer Web server/Diagnostics page username/password setup

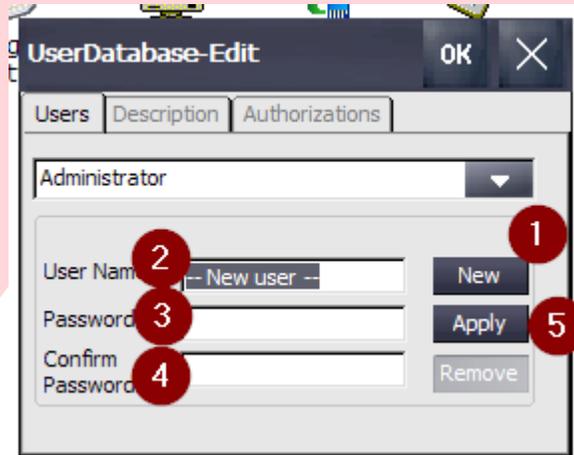
Click on the Web Server tab and then the User Administration button.



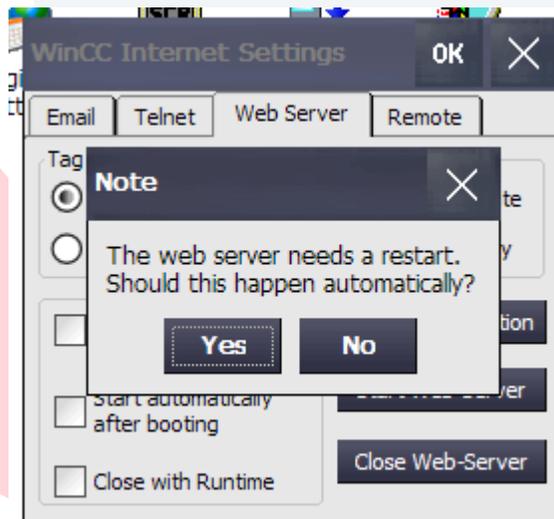
The screenshot below shows the pop-up if an Administrator has already been set up. Type in the password and hit ok.



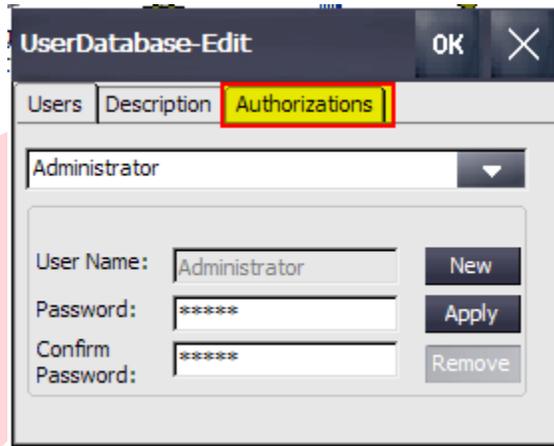
If no user has been set up, click on the New button and fill in the username and password. It is suggested that at least one Administrator be set up with all authorizations and also a backup Administrator. Hit the Apply button after creating each user.



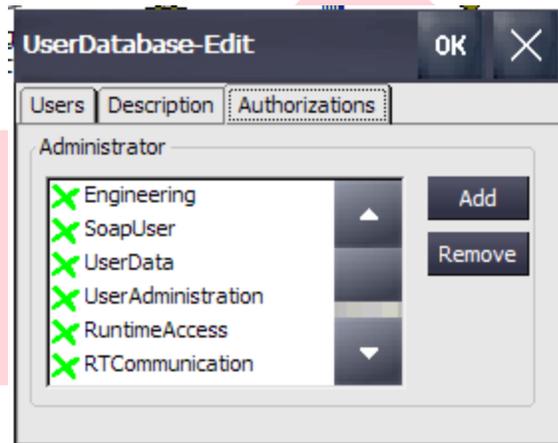
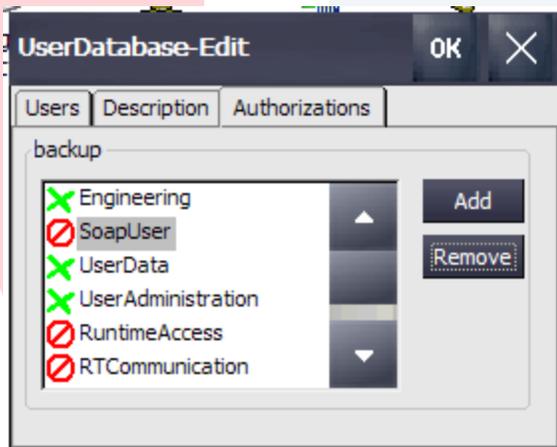
When finished creating users, click on the OK button in the upper right. Click on the Yes button to restart the web server.



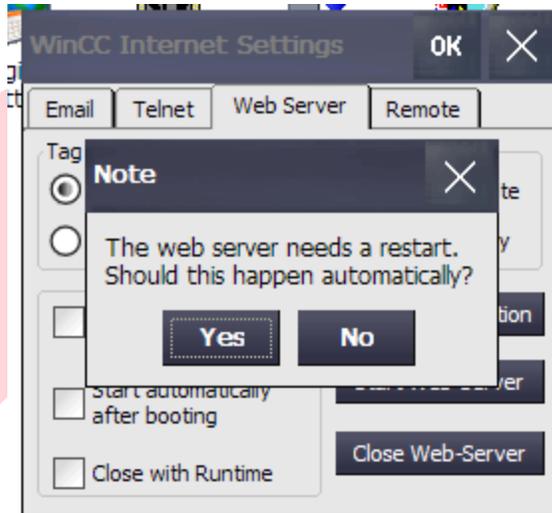
Once the users have been setup, you can setup their authorizations by clicking on the Authorizations tab.



Adjust each users authorization by selecting the type of authorization and clicking on Add or Remove. Use the scroll bar to access additional authorizations.



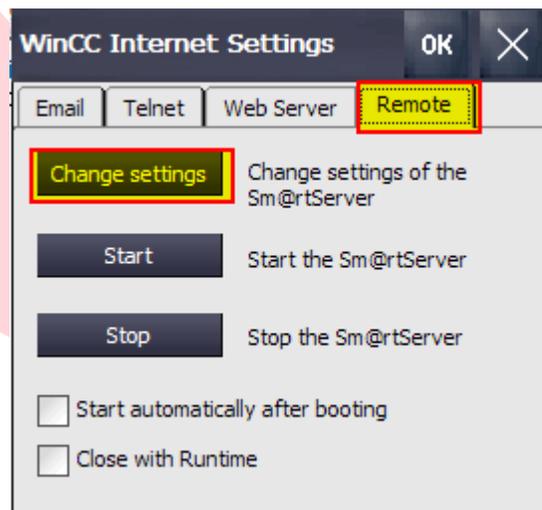
When finished adjusting authorizations for a user, click on the Users tab and click on the OK button in the upper right hand corner to save the changes. A note will appear asking the user to restart the web server. Click Yes.



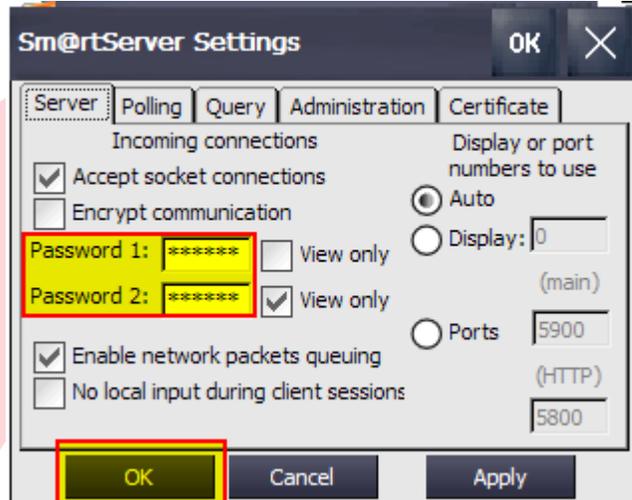
Password setup for Sm@rtClient or VNC app.

The following section describes how to set up the password for the Sm@rtClient or VNC app. This is needed in order to view the HMIs screens.

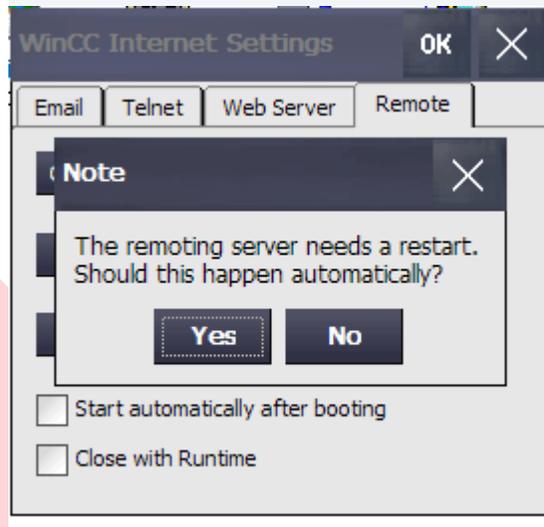
Select the Remote tab then click on the 'Change settings' button.



Click on the Password 1 field and type in the password and deselect 'View only'.
Click on the Password 2 field and type in the password and select 'View only'
Click the OK button when finished.



Click the Yes button to restart the web server.



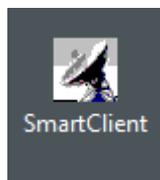
How to login to HMI panel to remotely view screens

The following section describes how to log in to the panel and remotely view screens with the Sm@rtClient app.

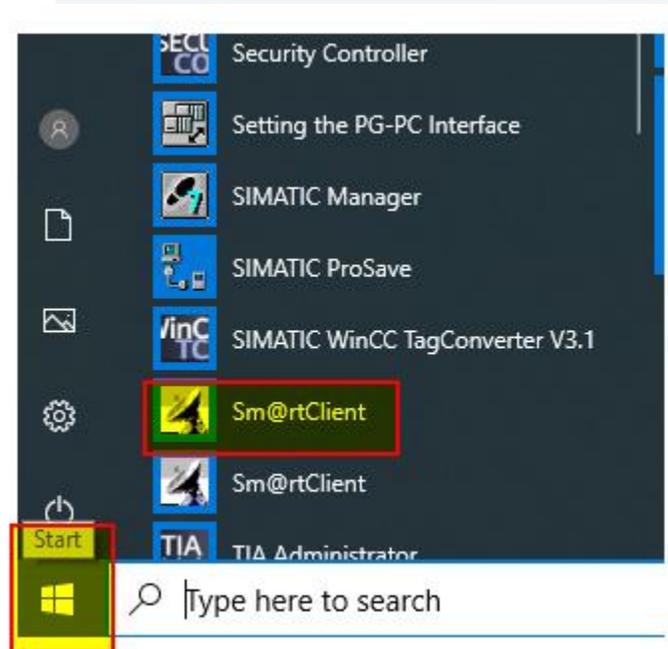
The Sm@rtClient app can be downloaded from the following link. You must be logged in to the Siemens support site in order to download the file.

<https://support.industry.siemens.com/cs/us/en/view/109482434>

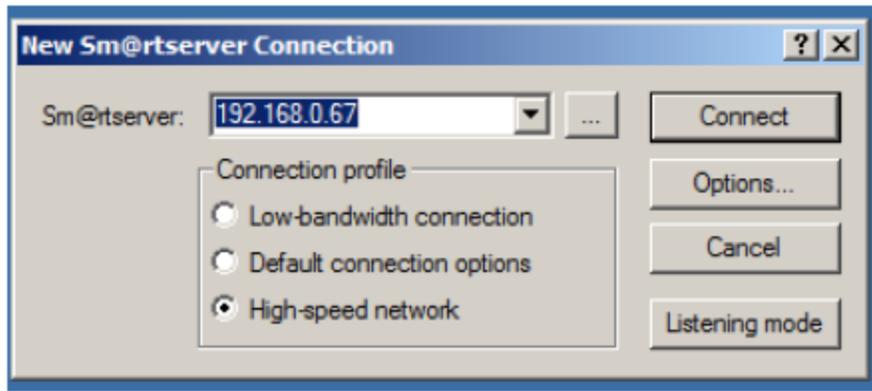
Put the file on your desktop and click to start.



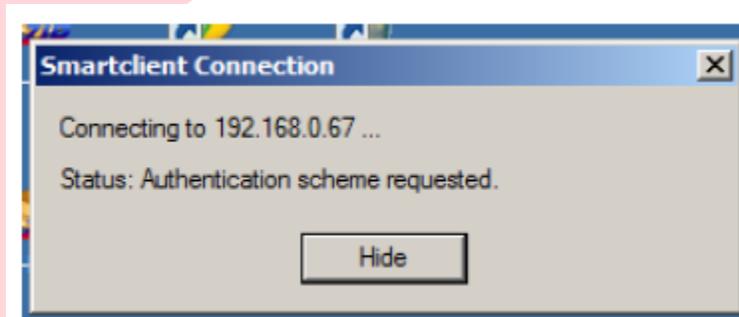
Smart Client can also be found under Start button->Siemens Automation->Sm@rtClient



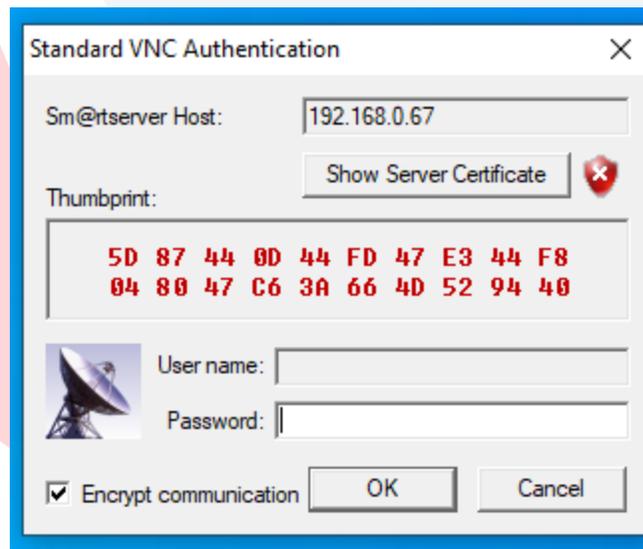
Type in the IP address of the HMI and press the Connect button.



If the PC is communicating with the HMI, the pop-up message below should appear.



Type in the password and click on the OK button.



If the password is correct the user should be logged in with Sm@rtClient and should see HMI screen on the PC.

How to access the web server and diagnostics screen

The following section describes how to access the web server of the panel to access diagnostic information and access files on the SD or USB cards.

Connect to the same network as the panel and open a web browser such as Firefox, Google Chrome, or Microsoft Edge and type in the IP address.

The screenshot shows a web browser window with the address bar containing '192.168.0.67/start.html'. The page displays the 'SIEMENS SIMATIC HMI Miniweb on HMI_Panel' interface. A login form is visible with fields for 'Name' and 'Password', and a 'Login' button. The main content area shows 'Welcome on HMI_Panel' and 'Device Status of HMI_Panel' with the status 'The runtime is running'. A table titled 'General Device Information' provides the following details:

General Device Information	
Device Type	TP700 Comfort
Image version	V15.01.00.04_01.01
Bootloader version	1.10
Bootloader release date	22.2.2012
Device Name	HMI_Panel
Build	V1501.0004.0101.0004
MiniWeb_Build	miniweb P06.01.00, build Aug 9 2019
OPENSsl_VERSION	OpenSSL 1.1.1a 20 Nov 2018

Hint:
When the devicename contains an underscore (_) some browsers have a bug that makes it impossible to log in. One possible solution may be to use the IP address of the device instead of the name, or to use another browser.

Type in the username and password you created and click on Login. When you have logged in successfully, you will see a message that you are logged in at the upper right hand corner.

The screenshot shows a web browser window with the address bar displaying "System Diagnostics" and "192.168.0.67/StatusDetails.html". The page header includes the Siemens logo and the title "SIMATIC HMI Miniweb on HMI_Panel". Below the header, there is a "System Diagnostics" section. A yellow box highlights a message: "Welcome Administrator. You are logged in. Logout". A blue sidebar on the left contains navigation options: "Start page", "Remote Control", "Control Functions", "System Diagnostics", and "File Browser". The main content area displays "System diagnostics of HMI_Panel" with a table of diagnostic messages.

message number	timestamp	state	message text
110001	21.04.2020 07:36:30	I	Change to operating mode 'online'.
70018	20.04.2020 15:15:13	I	User administration imported successfully.
110001	20.04.2020 15:15:13	I	Change to operating mode 'online'.
70022	20.04.2020 15:15:13	I	User administration import started.
270006	20.04.2020 15:15:12	I	Project modified: Alarms cannot be restored from the persistent alarm buffer.

