

SIEMENS



Application Description • 05/2015

Remote Access to SIMATIC HMI Comfort Panels

Integrated HMI web server

<https://support.industry.siemens.com/cs/ww/en/109476153>

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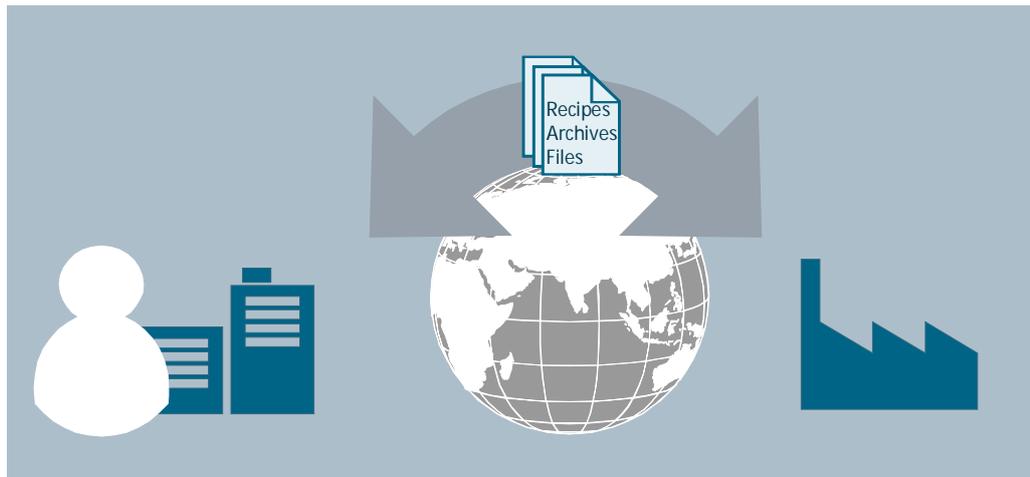
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1 Task

Since you cannot connect a physical storage medium to the operator panel from the distance, you need another way of exporting and importing the data of the operator panel (e.g. recipes), or access the files stored on the operator panel (e.g. archive).

You wish to read the system messages of the operator panel for diagnostic purposes. You can, for example, remotely analyze errors in the configuration that only occur during runtime and adjust the project, if necessary.

Figure 1-1



2 Solution

Description

The SIMATIC HMI Comfort Panel provides an integrated, free of charge web server. You can use it to display the standard service pages of the operator panel in the Internet Explorer without additional configuration workload.

Service pages

The following service page contains the SIMATIC HMI Comfort Panel:

- Start.html
On the start page, general information such as the operating system version of the SIMATIC HMI Comfort Panel is displayed.

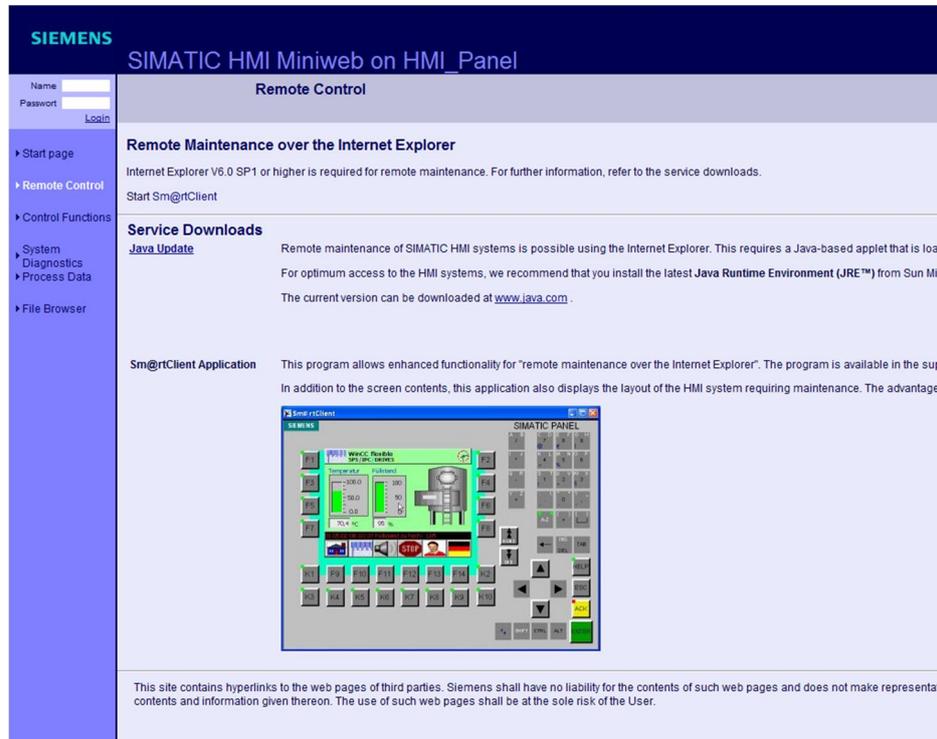
Figure 2-1

The screenshot displays the SIMATIC HMI Miniweb interface. At the top, the Siemens logo is visible. The main heading is 'SIMATIC HMI Miniweb on HMI_Panel'. Below this, there is a 'Miniweb Start Page' section with a login form containing 'Name' and 'Password' fields and a 'Login' button. A navigation menu on the left includes options like 'Start page', 'Remote Control', 'Control Functions', 'System', 'Diagnostics', 'Process Data', and 'File Browser'. The main content area shows a 'Welcome on HMI_Panel' message and a 'Device Status of HMI_Panel' section indicating 'The runtime is running'. Below this is a table titled 'General Device Information' with the following data:

General Device Information	
Device Type	TP1200 Comfort
Image version	V13.00.01.02_04.01
Bootloader version	1.08
Bootloader release date	25.3.2011
Device Name	HMI_Panel

- RemoteControl.html:
You can start the Sm@rtClient via this page.

Figure 2-2



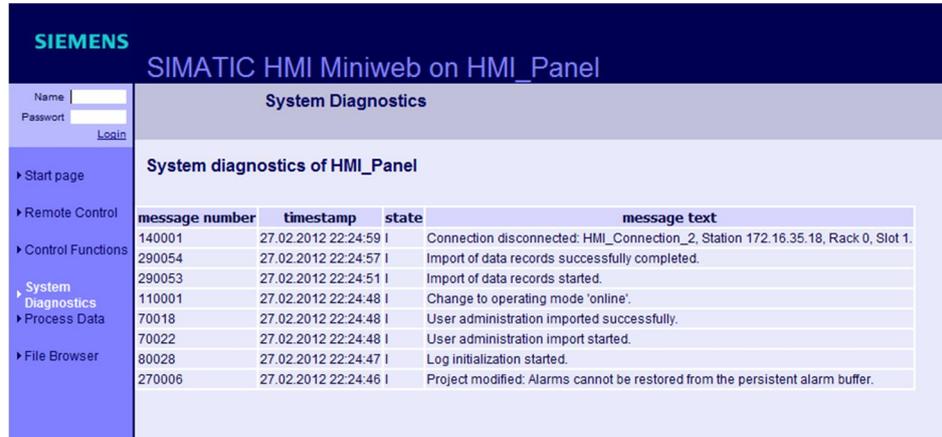
- Control.html
You can export/import recipe and user data, as well as start or stop the runtime of the operator panel.

Figure 2-3



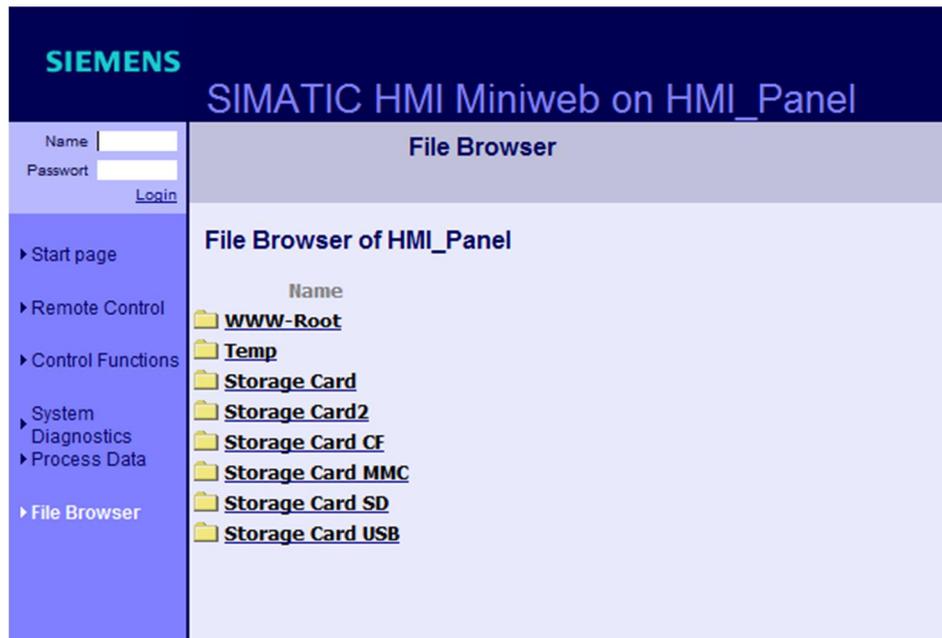
- StatusDetails.html
The system messages of the SIMATIC HMI Comfort Panel are displayed here.

Figure 2-4



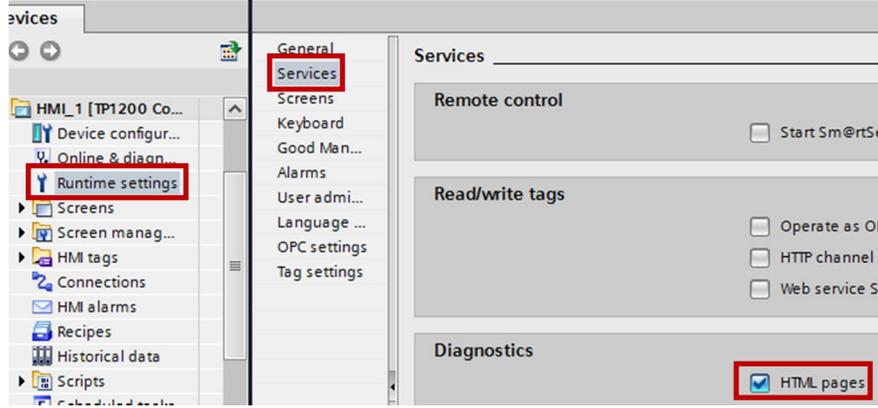
- Browse.html
You can access the file system of the SIMATIC HMI Comfort Panel via this page and load files from or to the device or the storage medium (USB stick/SD card).

Figure 2-5



3 Procedure

Table 3-1

No.	Action
1.	Open the WinCC (TIA Portal) project.
2.	In the project tree, you double-click on the "Runtime settings" of the operator panel.
3.	<p>Go to the "Services" menu and activate the "HTML pages" checkbox in the "Diagnostics" area.</p> 
4.	Transfer the project to the operator panel.
5.	Open the system control of the operator panel by pressing the "Settings" button in the Start Center.
6.	<p>Open "WinCC Internet Settings".</p> 
7.	<p>Go to the "Web Server" tab. Activate the "Start automatically after booting" checkbox, if the web server shall start together with the operator panel and not later together with Runtime. Activate "Close with Runtime", if the web server shall be terminated together with the runtime. Click on the "User Administration" button.</p> 
8.	Assign a secure password for the Administrator account and create further users for access to the web server, if necessary. In the "Authorizations" tab you specify the user rights.
9.	Call the web server of the operator panel by entering "http://IP address of the operator unit" in the address bar of the Internet Explorer.
10.	Log in with the user details of a user created in step 8.

4 Links & Literature

Table 4-1

	Topic	Title
\1\	Siemens Industry Online Support	http://support.automation.siemens.com
\2\	Download page of the entry	https://support.industry.siemens.com/cs/ww/en/109476153

5 History

Table 5-1

Version	Date	Modifications
V1.0	05/2015	First version