

Siemens
Industry
Online
Support

FAQ

How do you migrate / convert a SIMATIC HMI without the original engineering project?

HMI Upgrade Package

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Table of contents

1. About the service 3

1.1. Description 3

1.2. Result of conversion 3

1.3. Products and Order Number 3

1.3.1. HMI Upgrade Packages 3

1.3.2. HMI Software Migration 4

1.3.3. Conversion to SIMATIC WinCC Unified 4

2. Procedure 5

2.1. Verify the supported HMIs 5

2.2. Verify and copy the runtime file 5

2.2.1. File format 5

2.2.2. Copy file 7

2.3. Create a support request 7

2.4. Select service product 7

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1. About the service

1.1. Description

Without an existing HMI project from SIMATIC WinCC flexible or TIA Portal, migrations, as well as extensions and adaptations of your system, are not possible. The runtime data of an HMI cannot be loaded back into a SIMATIC WinCC engineering project.

We offer a solution for restoring the original project, as we can recreate a TIA Portal project based on the runtime file available on the HMI device (panel or IPC).

1.2. Result of conversion

You will receive a migrated TIA Project in an actively marketed version of TIA Portal at the time of ordering (please refer to the product announcement), which can be loaded onto your new HMI device.

All changes and adjustments that had to be made during the conversion are documented in a report that will be sent to you as a PDF document.

1.3. Products and Order Number

This service can be ordered with or without hardware via the SIEMENS Industrial Mall.

1.3.1. HMI Upgrade Packages

The following HMI Upgrade Packages are currently available:

	Existing HMI	**Sucessor**	**MLFB**
Touch Panel	TP 177B 4"	KTP400 Comfort	9LF1110-8CA31-2DB0
	TP/MP 177B 6"	TP700 Comfort	9LF1110-8CA31-0GB0
	TP 277 6"	TP900 Comfort	9LF1110-8CA31-0JB0
	MP 277 8" Touch	TP1200 Comfort	9LF1110-8CA31-0MB0
	MP 277 10" Touch	TP1500 Comfort	9LF1110-8CA31-0QB0
	MP 377 12" Touch	TP1900 Comfort	9LF1110-8CA31-0UB0
	MP 377 15" Touch	TP2200 Comfort	9LF1110-8CA31-0XB0
Key Panel	OP 77B	KP400 Comfort	9LF1110-8CA31-1DB0
	OP 177B 6"	KP700 Comfort	9LF1110-8CA31-1GB0
	OP 277 6"	KP900 Comfort	9LF1110-8CA31-1JB0
	MP 277 8" Key	KP1200 Comfort	9LF1110-8CA31-1MB0
	MP 277 10" Key	KP1500 Comfort	9LF1110-8CA31-1QB0

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1.3.2. HMI Software Migration

The following HMI Migration services are currently available:

	Existing HMI	Sucessor	MLFB
Without hardware	SIMATIC WinCC Flexible PC Runtime	SIMATIC WinCC Advanced PC Runtime	9LF1110-8CA21-0AA0
	Supported HMIs (see 2.1)	All active marketed HMIs	9LF1110-8CA21-0AA0

1.3.3. Conversion to SIMATIC WinCC Unified

It is not possible to convert your project to SIMATIC WinCC Unified automatically, and there are currently no HMI Upgrade Packages for SIMATIC Unified HMIs available.

However, if you would like to upgrade to SIMATIC WinCC Unified, we can perform a preliminary check of your project and provide a personalised quote for the software conversion.

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2. Procedure

2.1. Verify the supported HMIs

Not all HMIs support the copying of runtime files. Certain conditions must be met to perform a backup conversion and copy the file.

These include the HMI having a Windows CE operating system, which is required for copying the file. In addition, the device must also have an appropriate interface for external storage media to enable the file to be transferred.

Below is a list of HMIs that meet all the requirements for a backup conversion:

Engineering System	Supported HMIs
SIMATIC WinCC Flexible 2008	TP177B DP and DP/PN (no A devices)
	MP177 6" Touch
	TP270 and TP277 6"
	OP177B DP and DP/PN (no A devices)
	OP270 and OP277 6"
	MP270 / MP277 Touch or Key (8", 10")
	MP370 / MP377 Touch or Key (6", 8", 10", 12", 15", 19")
	PC Runtime
SIMATIC WinCC in TIA Portal	Comfort Panels Standard
	SIPLUS Comfort Panels Standard
	Comfort Panels Outdoor
	SIPLUS Comfort Panels Outdoor
	Comfort Panels PRO
	Comfort Panels INOX and INOX PCT
	PC Runtime Advanced

2.2. Verify and copy the runtime file

2.2.1. File format

Here you will find an overview of the runtime files that can be converted:

Engineering system	Conversion possible	Runtime file	Backup file
ProTool	✗	PDATA.fwd	.psr
SIMATIC WinCC Flexible 2008	✓	PDATA.fwx	.psb
TIA Portal	✓	PDATA.fwc	.brf

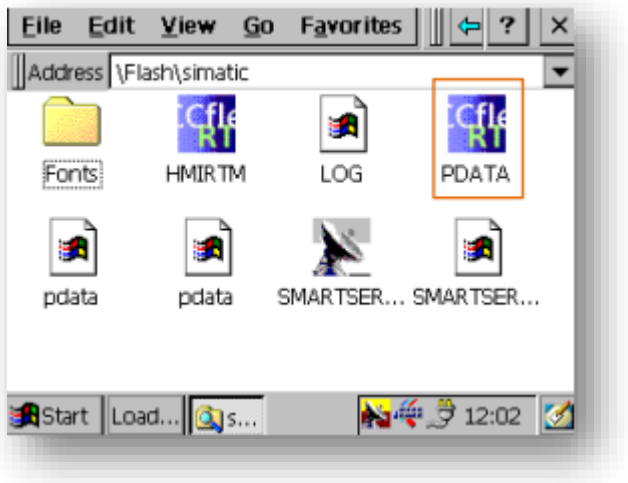
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How can I find out whether it is SIMATIC WinCC flexible or TIA Portal Runtime?

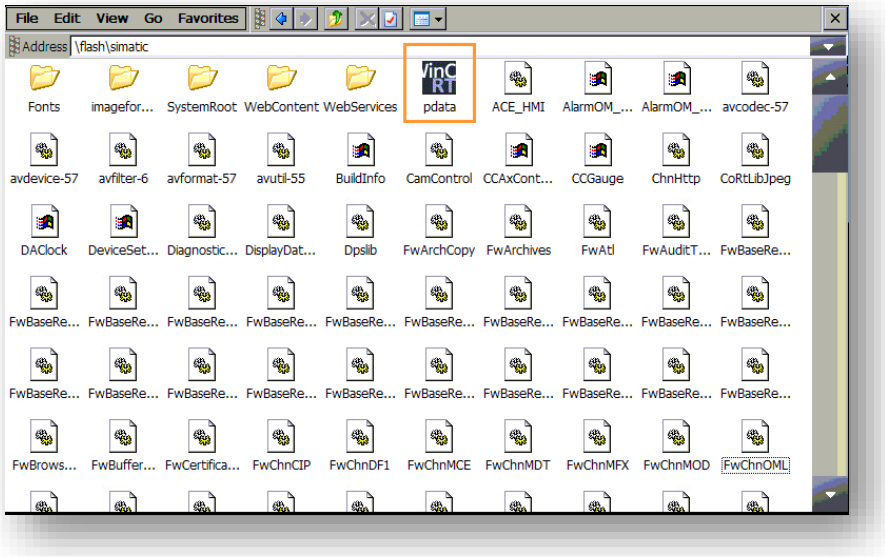
Please follow the steps below:

1. Turn on HMI.
2. Start “MyComputer” on the HMI’s desktop.
3. Navigate to the directory “\Flash\simatic,” where you will find the runtime file “PDATA.fwx” or “PDATA.fwc”.

Here's what the WinCC Flexible runtime file “PDATA.fwx” icon looks like:



Here's what the WinCC Flexible runtime file “PDATA.fwc” icon looks like:



NOTE ProTool runtime file (Format .fwd) is not supported.



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2.2.2. Copy file

Procedure:

Copy the entire SIMATIC folder to an external storage medium, such as a USB stick or memory card:

“MyComputer > Flash > simatic”

NOTE	Only the “FAT32” file system is supported.

Alternative:

If copying to an external storage medium is not possible, please create a system backup of the HMI using the SIMATIC ProSave service tool.

Under post ID: 28928853 you will find a description of how to perform a backup from a Windows-based HMI.

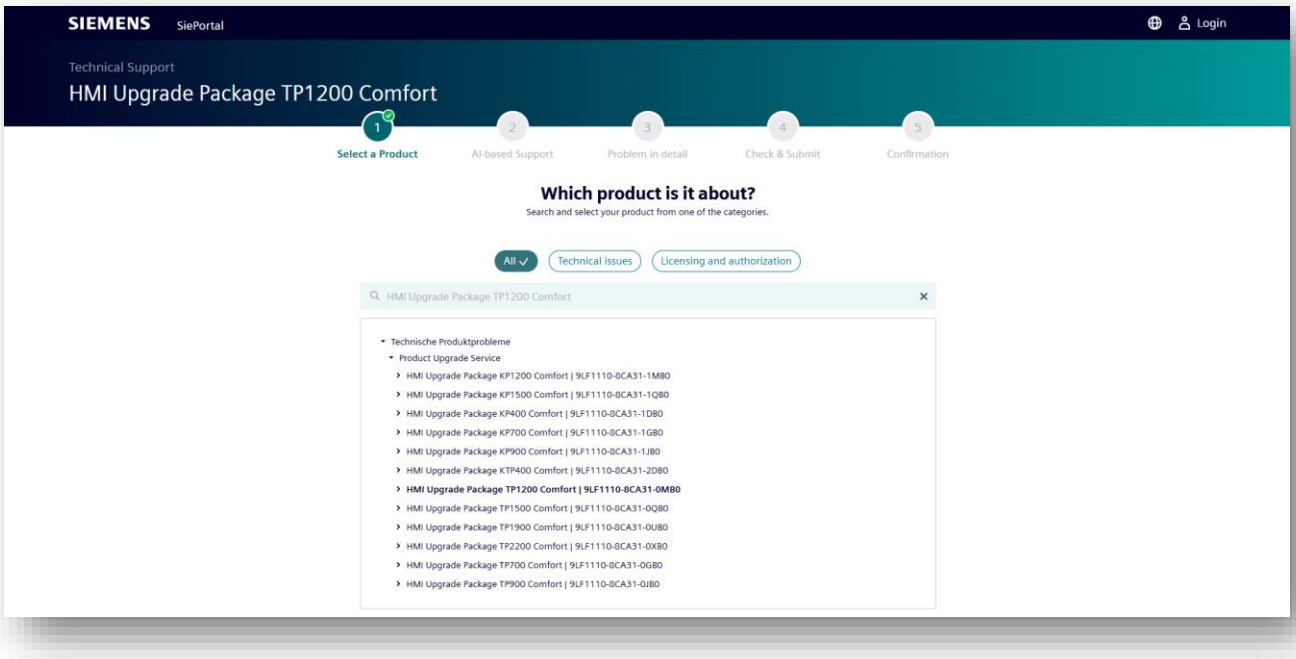
2.3. Create a support request

You can create a support request for the service described at the following link:

https://sieportal.siemens.com/en-EN/mysieportal/support-requests/create

2.4. Select service product

- Enter “HMI Upgrade Package” as the search term and then select the desired SIMATIC Comfort Panel in the HMI Upgrade Package.
- Enter “HMI software migration” as the search term with MLFB 9LF1110-8CA21-0AA0 if you do not require new hardware.



Add important information to the service request, e.g., desired TIA Portal version.

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