SIMATIC

Process Control System PCS 7
VXM Readme V9.0 (online)

Readme
Legal information

Warning notice system

This manual contains notices you have to observe in order to ensure your personal safety, as well as to prevent damage to property. The notices referring to your personal safety are highlighted in the manual by a safety alert symbol, notices referring only to property damage have no safety alert symbol. These notices shown below are graded according to the degree of danger.

<table>
<thead>
<tr>
<th>DANGER</th>
<th>indicates that death or severe personal injury will result if proper precautions are not taken.</th>
</tr>
</thead>
<tbody>
<tr>
<td>WARNING</td>
<td>indicates that death or severe personal injury may result if proper precautions are not taken.</td>
</tr>
<tr>
<td>CAUTION</td>
<td>indicates that minor personal injury can result if proper precautions are not taken.</td>
</tr>
<tr>
<td>NOTICE</td>
<td>indicates that property damage can result if proper precautions are not taken.</td>
</tr>
</tbody>
</table>

If more than one degree of danger is present, the warning notice representing the highest degree of danger will be used. A notice warning of injury to persons with a safety alert symbol may also include a warning relating to property damage.

Qualified Personnel

The product/system described in this documentation may be operated only by personnel qualified for the specific task in accordance with the relevant documentation, in particular its warning notices and safety instructions. Qualified personnel are those who, based on their training and experience, are capable of identifying risks and avoiding potential hazards when working with these products/systems.

Proper use of Siemens products

Note the following:

<table>
<thead>
<tr>
<th>WARNING</th>
<th>Siemens products may only be used for the applications described in the catalog and in the relevant technical documentation. If products and components from other manufacturers are used, these must be recommended or approved by Siemens. Proper transport, storage, installation, assembly, commissioning, operation and maintenance are required to ensure that the products operate safely and without any problems. The permissible ambient conditions must be complied with. The information in the relevant documentation must be observed.</th>
</tr>
</thead>
</table>

Trademarks

All names identified by ® are registered trademarks of Siemens AG. The remaining trademarks in this publication may be trademarks whose use by third parties for their own purposes could violate the rights of the owner.

Disclaimer of Liability

We have reviewed the contents of this publication to ensure consistency with the hardware and software described. Since variance cannot be precluded entirely, we cannot guarantee full consistency. However, the information in this publication is reviewed regularly and any necessary corrections are included in subsequent editions.
# Table of contents

1. Security information
2. Overview
3. Notes on Installation
   3.1 Scope of Delivery
   3.2 Hardware Requirements
   3.3 Software Requirements
   3.4 Installation and removal
4. Notes on usage
   4.1 New features and changes as compared to previous versions
   4.2 Information on configuration and operation
   4.3 Notes on the Documentation
Siemens provides products and solutions with industrial security functions that support the secure operation of plants, systems, machines, and networks.

In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial security concept. Siemens’ products and solutions only form one element of such a concept. Customer is responsible to prevent unauthorized access to its plants, systems, machines and networks. Systems, machines and components should only be connected to the enterprise network or the internet if and to the extent necessary and with appropriate security measures (e.g. use of firewalls and network segmentation) in place.

Additionally, Siemens' guidance on appropriate security measures should be taken into account. For more information about industrial security, please visit:


Siemens’ products and solutions undergo continuous development to make them more secure. Siemens strongly recommends to apply product updates as soon as available and to always use the latest product versions. Use of product versions that are no longer supported, and failure to apply latest updates may increase customer’s exposure to cyber threats.

To stay informed about product updates, subscribe to the Siemens Industrial Security RSS Feed under

Overview

VXM V9.0 - Version Cross Manager

This information has priority over statements made in other documentation.

Please read these notes carefully, as they contain important information about the installation and use of VXM.
Notes on Installation

The installation notes include important information that you need to install Version Cross Manager. Please read these notes prior to installation.

This version runs on the following operating systems:

- MS Windows 7 Professional with SP1 (64-bit)
- MS Windows 7 Ultimate with SP1 (64-bit)
- MS Windows 7 Enterprise with SP1 (64-bit)
- MS Windows 10 Pro (64-bit)
- MS Windows 10 Enterprise 2015 LTSB (64-bit)
- MS Windows Server 2008 R2 Standard Edition with SP1 (64-bit)
- MS Windows Server 2012 R2 Update Standard Edition (64-bit)
- Only under PCS 7:
  - MS Windows 7 Ultimate / Enterprise with SP1 (32-bit)

3.1 Scope of Delivery

Product package

You have received one of the following products with this delivery:

SIMATIC Version Cross Manager V9.0
Order number: 6ES7658-1CX58-2YA5

The contents of this package include the following:

- 1 CD TIA Engineering Toolset V9.0
- 1 license key memory stick
- 1 Certificate of License

Contents of the TIA Engineering Toolset CD for Version Cross Manager:
- Version Cross Manager V9.0
3.2 Hardware Requirements

Hardware Requirements

The VXM software can be used under SIMATIC PCS 7 or SIMATIC STEP 7.

It can therefore only be operated on devices which meet the hardware requirements for the respective software.

3.3 Software Requirements

Runtime environment

VXM is a 32-bit application that requires one of the operating systems listed above.

VXM is add-on software. To be able to operate VXM, you also need the following software on your programming device or PC:

- Basic software STEP 7 V5.6 or higher

To be able to operate VXM with the full range of functions, you need the software:

- PCS 7 Engineering V9.0

Memory requirements

VXM requires approximately 60 MB of space on your hard disk.

3.4 Installation and removal

Installing VXM

You can install VXM V9.0 over an existing installation of VXM.

VXM can only be installed after complete installation of STEP 7. The setup program automatically installs VXM on the drive containing the STEP 7 software.

Insert the TIA Toolset CD into the drive. VXM is installed with a user-guided setup that you launch with the MS Windows Explorer by double-clicking on the SETUP program on the CD.

VXM license key

Before you can work with VXM, you need to transfer the license key (usage right) from the license key memory stick to the computer.

If the license key cannot be installed during setup, continue setup without installing the license key. Afterwards, restart the computer and install the license key using the Start menu command "Simatic > License Management > Automation License Manager".
The notes from the STEP 7 readme also apply to the license key.

Uninstalling VXM

Note
You have to remove software products in accordance with the MS Windows guidelines.

To do this, uninstall your software package in the Windows Control Panel. For example, in Windows 7, open Programs > Programs and Features in the Control Panel and select your software package to be uninstalled. This is the only way to uninstall the software under MS Windows.

Files dynamically created by VXM could remain when you uninstall. This is detected by the Uninstall tool, and shown with the message "Some elements could not be removed. You should manually remove items related to the application.". You can, but do not have to, delete these dynamically created files.
3.4 Installation and removal
Notes on usage

These notes take precedence over statements made in the manuals and online help.

4.1 New features and changes as compared to previous versions

What's new in VXM?

V9.0
Version V9.0 contains the following enhancements or modifications compared with V8.2:

- The following are supported for comparisons:
  The technological object "Equipment phase" and the lower-level objects.

V8.2
Compared with the previous version V7.1.3, version V8.2 includes the following enhancements or changes:

The following are supported for comparisons:

- The "control module" and "equipment module" technological objects and their lower-level objects.
- Calculations for SFC: The calculation formula is compared and the associated SFC can be opened via the comparison.

4.2 Information on configuration and operation

No information in the current version.

4.3 Notes on the Documentation

The documentation on VXM is only available as online help.
4.3 Notes on the Documentation