



SICLIMAT™ X

## Engineering tool X-PG V41 Notebook

**X-PG**

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Engineering tool X-PG to generate SICLIMAT automation software for SIMATIC S7-300 and S7-400 automation stations. The tool is installed ready to operate on a Fujitsu-Siemens notebook.

## Use

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The engineering tool X-PG on the Fujitsu Siemens Notebook offers a complete solution to engineer and commission SICLIMAT automation stations SIMATIC S7-300 and S7-400. The X-PG is especially well suited as an engineering tool when flexible on-site use is required or when the SICLIMAT automation station is operated stand-alone or networked with operation/monitoring/reporting (e.g. locally using the SICLIMAT TP177).

The SIMATIC STEP 7 software is also installed and ready to operate in addition to the software for SICLIMAT AS engineering and the block library. The SICLIMAT packages are designed functionally and in application to meet the needs of building automation and control.

The tool allows you to efficiently and securely generate and commission all SICLIMAT automation software.

A Siemens Fujitsu notebook serves as the basic hardware. The X-PG can be used both at a stationary workspace as well as on site.

In addition to using the X-PG as SICLIMAT engineering tool, it can also be used as a sector-neutral SIMATIC programming unit and personal computer.

## Software

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The following software packages are installed and ready for operation when used as SICLIMAT engineering tool:

- SICLIMAT AS engineering for graphical engineering and testing of automation station software using SICLIMAT blocks. In addition to the automation software, the engineering data for the touch panel SICLIMAT TP177 or the DESIGO INSIGHT building automation and control system or SICLIMAT X is generated.
- SICLIMAT standard block library for complex, networked building automation and control plants with optional connection to SICLIMAT X or DESIGO INSIGHT.
- HVAC Lite Library, the new block library for simpler building automation and control plants using SICLIMAT TP177 but without connection to SICLIMAT X.
- SIMATIC STEP 7 software to load, test and commissioning SIMATIC automation stations.

The SICLIMAT AS Engineering software package is used to create and test automation station software with SICLIMAT standard blocks or the HVAC Lite Library. The program offers a menu-based graphical interface for creating block software. Blocks are positioned with the mouse on the graphical interface and parameterized or interconnected (technology chart). Software generation is hierarchically structured and comfortable copy, drag and delete functions result in efficient engineering.

An online test function allows the display of dynamic process values directly in the technology chart. Thanks to block technology and corresponding plausibility tests, there is no special knowledge required for SIMATIC structures, data maintenance, commands, etc. allowing engineering personnel to fully concentrate on the technological task at hand. In addition to automation software, AS Engineering can be used to create engineering data for the SICLIMAT TP177 touch panel, the SICLIMAT X automation and control system or third-party products such as SCADA systems.

Building automation and control tasks are solved with the aid of both block libraries. The user receives a package of specially designed building automation and control software blocks for all aspects of building automation and control. In addition to universally employable functions such as binary processing, analog processing, control and signal processing, this includes complex technical building functions such as scheduling, twin pump control, heating curve. The standard block SICLIMAT library includes optimization functions such as heating time optimization, heat volume calculation, enthalpy calculation, summer night ventilation.

The SIMATAC software Step 7 is available for loading, testing and commissioning automation stations. It loads the software to the automation station, allows for system diagnostics, parameterizes communications, and parameterizes and tests I/O modules. Furthermore, any SIMATIC automation station can be engineered sector neutral.

LINUX is the operating system for the SICLIMAT engineering tool. An Oracle database is used to archive and administer data.

Windows XP Professional is used as the operating system for the SIMATIC STEP 7 software package as well as any other PC applications. VMware allows the SICLIMAT engineering tool to operate in its own pane under Windows, making it possible to switch between the two operating systems with a simple click of the mouse.

## Hardware

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The X-PG uses the Fujitsu Siemens notebook as the basic hardware for professional use from the current delivery program. A light-weight, portable programming device is used and employed online and offline for all SIMATIC S7-automation systems.

It distinguishes itself through:

- High performance, continuous updating of the devices.
- TFT color monitor with very good contrast and high brilliance.
- Onboard Ethernet interface.
- DVD/CD-RW drive

The current technical data are documented in the data sheet from Fujitsu Siemens.

Also supplied:

- USB floppy disk drive for system backups as well as to install drivers, key diskettes, among others.
- USB adapter to SIMATIC S7 to load and test SIMATIC automation stations.
- USB dongle as copy protection for the SICLIMAT tools.
- Data carrier to install the software package and operating systems.

## Accessories

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### **Accessories: Runtime license for SICLIMAT standard blocks**

License for the one-time use of blocks from the SICLIMAT standard block library on one automation station.

### **Accessories: Runtime license for HVAC Lite Library**

License for the one-time use of blocks from the HVAC Lite Library on one automation station.

### **Accessories: SIMATIC products from the Catalog CA01**

Softnet S7: Software package for accessing the automation station via Ethernet.  
Communication processors: CP 343-1 and CP443-1 for SIMATIC S7.

STEP 7: Software package to engineer SIMATIC S7.

EPROM adapter and deleting device for older SIMATIC S7.

## Ordering

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When ordering, please specify the quantity, product name, and type code.

<i>Type</i>	<i>Order number</i>
<b>Engineering tool X-PG on a Fujitsu Siemens notebook</b>	<b>6FLXPG-EXT41</b>

## Technical data

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	<b>Type</b>	<b>X-PG</b>
Software	Operating system (base operating system)	MS Windows XP Professional
	Guest operating system for SICLIMAT EM	LINUX
	Database	Oracle Workgroup Server
	Hard disk memory requirement X-PG software	4 GB
	Programming software	SIMATIC STEP 7 V5.4 SP3
	X-PG software	SICLIMAT EM V4.1
	Operating system administration	VMware Workstation 6.0, LINUX in a pane under Windows, immediate switchable
Hardware	Per data sheet for Fujitsu Siemens	
	Monitor	15" TFT
	Drive	DVD/CD-R/W
	Hard disk	>= 40 GB
Equipment	Weight	Ca. 3 kg
	USB disk drive	1.44 MB
	USB adapter	SIMATIC MPI for online access to SIMATIC S7
	USB dongle	Copy protection for the SICLIMAT tool