

HMI software

SIMATIC WinCC V7/V8

SIMATIC WinCC V7/V8 basic software

Overview



SIMATIC WinCC V8

- PC-based operator control and monitoring system for visualizing and operating processes, production flows, machines and plants in all sectors – from the simple single-user station through to distributed multi-user systems with redundant servers and cross-location solutions with web clients. WinCC is the information hub for corporation-wide vertical integration.
- The basic system configuration (WinCC Basic Software) includes industry-standard functions for signaling and acknowledging events, archiving of messages and measured values, logging of all process and configuration data, user administration and visualization.
- The WinCC Basic Software forms the core of a wide range of different applications. Based on the open programming interfaces, a wide range of WinCC options (from Siemens Industry Automation) and WinCC Add-ons have been developed (by Siemens-internal and external partners).
- WinCC can be operated with every PC that meets the given HW requirements. The SIMATIC IPC product range is available in particular for the industrial use of WinCC systems. SIMATIC IPCs impress with their powerful PC technology, are designed for round-the-clock operation, and can be operated in both office areas and harsh industrial environments.

Current version:

SIMATIC WinCC V8.0

WinCC V8.0 supports the Microsoft operating systems listed below:

- Windows 11 Professional, Enterprise (64-bit)
- Windows 10 Professional, Enterprise (64-bit)
- Windows Server 2022 Standard, Datacenter (64-bit)
- Windows Server 2019 Standard, Datacenter (64-bit)

Details (e.g. information about specific Windows editions) and, if applicable, updated compatibility statements, are available at

https://support.industry.siemens.com/compatool/#/main/preselection?TopicID=WinCC_V8_0

SIMATIC SCADA and SIMATIC IPCs

Perfect interaction for optimum productivity.

- Price advantage as "Package" comprising hardware and software
- System-tested solutions reduce testing overhead
- Simple ordering and synchronized logistics

Only if ordered together with the SIMATIC IPC.

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Benefits

- All-purpose
 - Solutions for all sectors
 - Multi-language for worldwide usage
 - Can be integrated into all automation solutions
- All operator control & monitoring functions on board
 - User administration
 - Operator control and monitoring
 - Reporting, acknowledging, and archiving of events
 - Collecting, consolidating and archiving measured values (including long-term backup)
 - Logging and documenting of process and configuration data
- Can be configured simply and efficiently
 - Configuration wizards let the user focus on the essentials
 - In the picture by means of cross-reference lists and screen property displays
 - Configuration of multi-language applications
 - Configuration tool for configuring bulk data
- Universally scalable
 - Expandable from single station to client-server configurations
 - Increased availability by means of redundant servers
 - Process visualization via the Web with the WinCC WebNavigator or WebUX
- Open standards for simple integration
 - Efficient real-time database MS SQL Server
 - Open for application modules with ActiveX and web controls
 - Powerful scripting for individual extensions
 - OPC, MQTT and REST for cross-vendor communication
- Process visualization with Plant Intelligence
 - Integrated evaluation functions for the online analysis (statistical process control)
 - Production optimization with the help of diverse options
- Expandable using options and add-ons
 - Options for scalable configurations
 - Options for increasing the availability
 - Options for IT & business integration
 - Options for SCADA expansions
 - Options for validation in accordance with FDA 21 CFR Part 11
 - Options for the use of telecontrol protocols
- Part of Totally Integrated Automation
 - Direct access to the tag and message configuration of the SIMATIC control system
 - Integrated diagnostic functions for increasing productivity

Application

SIMATIC WinCC is designed for visualization and operation of processes, production flows, machines and plants. With its powerful process interface, especially to the SIMATIC family, and the secure data archiving, WinCC enables highly available solutions for the process control.

The sector-neutral basic system enables universal usage in all automation applications. Sector-specific solutions can, for example, be implemented using WinCC options (e.g. FDA options for the pharmaceutical industry) and sector-specific add-ons (e.g. for the water industry).

Design

SIMATIC WinCC is available as a complete package and as a runtime package with 128, 512, 2 048, 8 192, 65 536, 102 400, 153 600, 262 144 PowerTags.

PowerTags are data points that are connected to controllers or other data sources over a WinCC channel. Up to 32 alarms can be obtained from one data point. Moreover, internal tags without coupling are available for additional system performance. In addition WinCC also contains 512 archive tags. Additional archive licenses can be obtained for larger quantity structures.

Licenses for a multi-user configuration

The system software with the required number of PowerTags and additionally the option WinCC/Server must be installed on the WinCC server. In the basic configuration, one RT Client License is sufficient for the WinCC Clients ¹⁾.

An RC Client License is required to configure on clients ¹⁾. Remote configuration is possible if WinCC Clients without their own project (Uni Client) are configured on the server project.

¹⁾ The SQL Server Express is installed for RT / RC Clients.

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Function

The powerful configuration functions of SIMATIC WinCC contribute to a reduced engineering and training overhead and lead to a more flexible use of personnel and greater operational reliability.

Anyone familiar with Microsoft Windows can also operate the WinCC Explorer, the central switching point of WinCC. Even large quantities of data can be processed intuitively and efficiently with the WinCC Configuration Studio.

In combination with other SIMATIC components, the system is also equipped with supplementary functions, such as process diagnostics and maintenance. All SIMATIC engineering tools work together in the configuration of the functions.

SIMATIC WinCC offers a complete basic functionality for process visualization and operation. To this end WinCC has a number of editors and interfaces that can be used to individually configure this functionality according to the respective application. Expansions of a WinCC station for control tasks are also possible with minimal engineering effort.

Interfaces

	Task or configurable runtime functionality
Communication channels	For communication with lower-level controllers/field devices: S7-300/400, S7-1200/1500, OPC, OPC UA, SIMATIC S5, Modbus TCP, Allen Bradley, Mitsubishi, Omron, Sinumerik, etc.
Standard interfaces	For connecting other IT applications to WinCC: OLE-DB, OPC UA, MQTT, REST, etc.
Programming interfaces	For the individual access to data and functions of WinCC and for the integration in user programs with VBA, VB Script, C-API (ODK), C-Script (ANSI-C)

Integration

Archiving and data exchange

WinCC integrates a powerful and scalable archiving feature using database technology. This provides the user with a variety of options: from high-performance archiving of current process data, to long-term archiving with high data compression, through to a connection to the central information hub in the form of a company-wide Process Historian. Versatile clients and tools for evaluation, the open interfaces, and special options (Connectivity Pack, Connectivity Station, IndustrialDataBridge) provide the basis for effective IT and business integration.

WinCC offers various security mechanisms, such as encrypted communication, to ensure secure operation of the plant. If external networks are accessed, for example, suitable protective measures (incl. IT security measures, such as network segmentation) should still also be taken.

More information is available on the topic of Industrial Security on the Internet at:

<http://www.siemens.com/industrialsecurity>

Integration in automation solutions

WinCC is an open process visualization system and provides the option to connect the most diverse controllers.

S7 communication software

Use communications software with the listed product versions. Corresponding SIMATIC NET upgrades are available for upgrading older versions.

Connection to third-party controllers

If a native driver is not available, OPC or OPC UA is available for connection to third-party controllers.

Current notes and information about OPC Servers from various suppliers can be found at:

<http://www.opcfoundation.org>

WinCC supports:

- OPC UA server for DA, A&C, and HDA
- OPC server for DA, A&E, and HDA
- OPC UA client for DA, A&C, and methods
- OPC client for DA

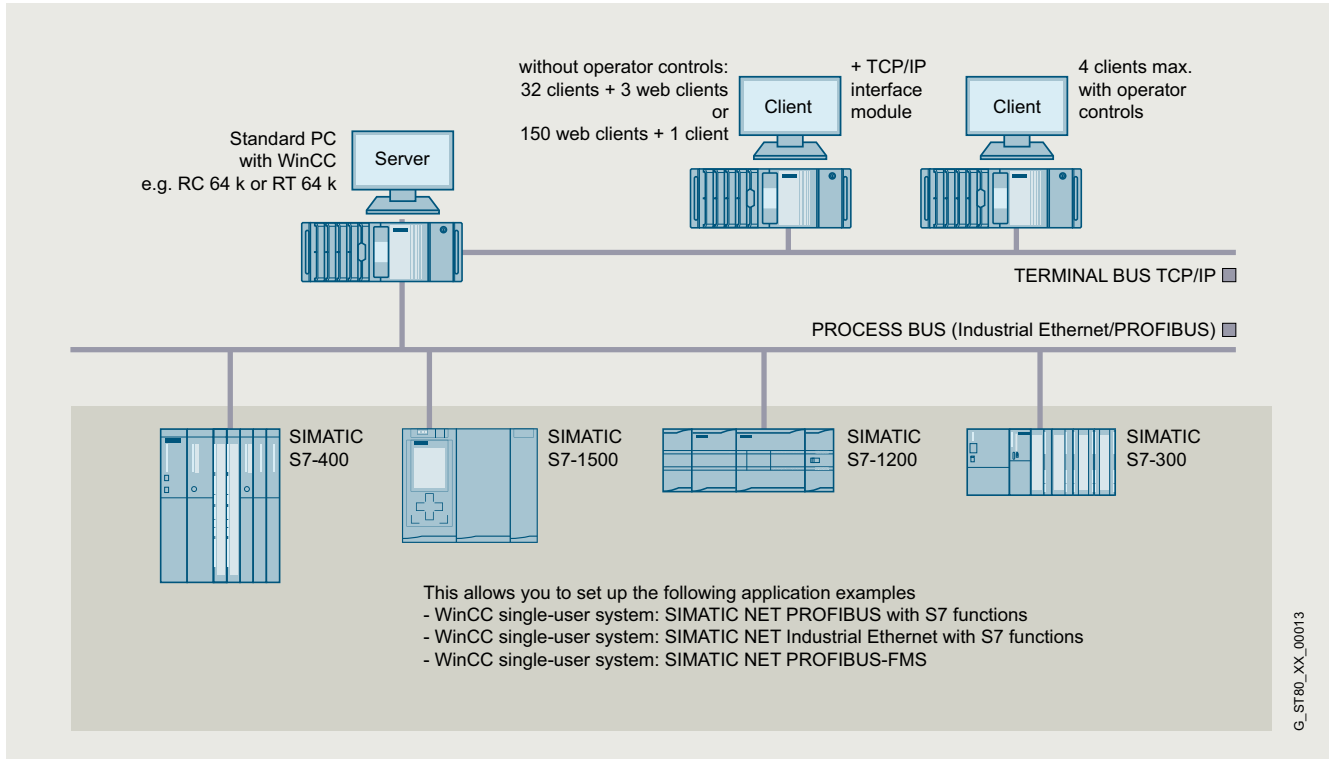
HMI software

SIMATIC WinCC V7/V8

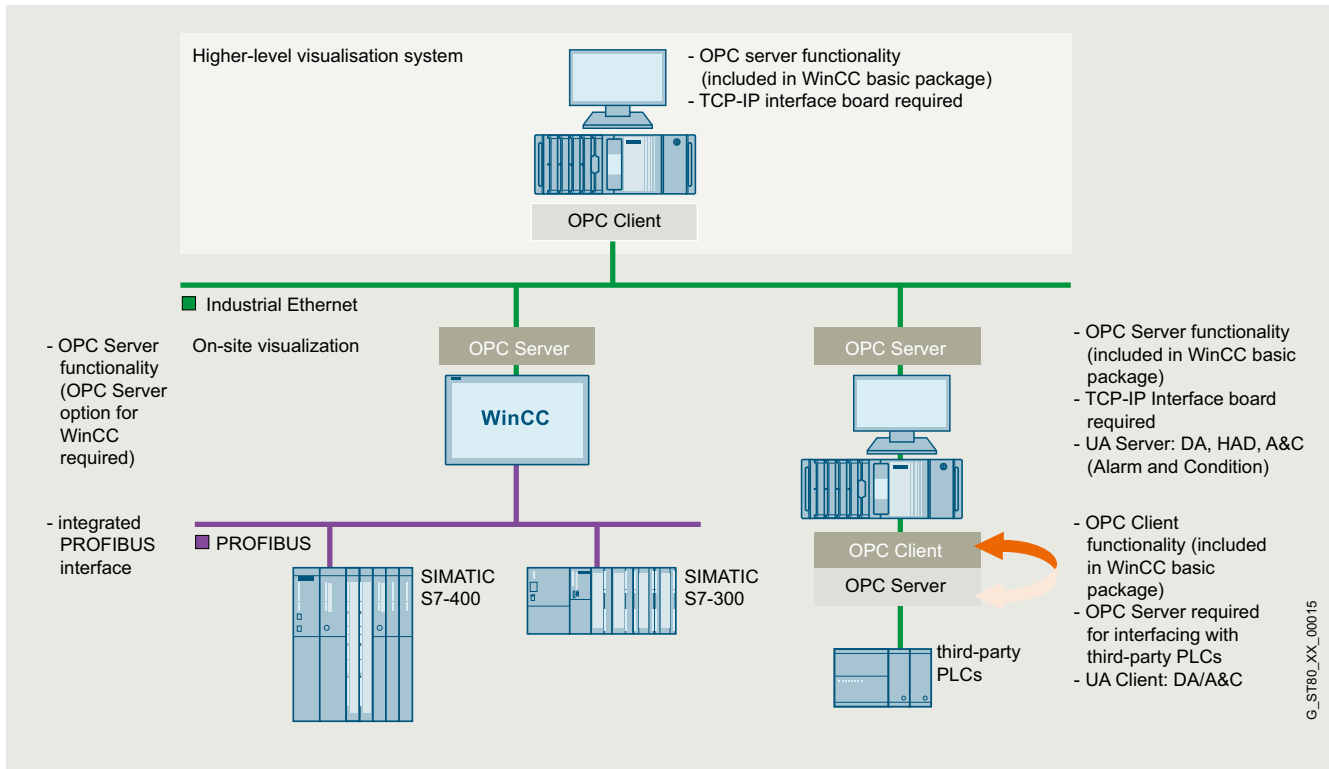
SIMATIC WinCC V7/V8 basic software

Integration

Communication examples



WinCC: Multi-user system with operable server



OPC coupling

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Ordering data

Article No.

Article No.

SIMATIC WinCC system software

V8.0

Runtime packages on DVD

- Incl. 512 archive tags each;
language/script versions:
en, de, fr, it, es; with license for
- WinCC RT Client
 - 128 PowerTags (RT 128)
 - 512 PowerTags (RT 512)
 - 2 048 PowerTags (RT 2 048)
 - 8 192 PowerTags (RT 8 192)
 - 65 536 PowerTags (RT 65 536)
 - 102 400 PowerTags (RT 102 400)
 - 153 600 PowerTags (RT 153 600)
 - 262 144 PowerTags (RT 262 144)

6AV6381-2CA08-0AX0
6AV6381-2BC08-0AX0
6AV6381-2BD08-0AX0
6AV6381-2BE08-0AX0
6AV6381-2BH08-0AX0
6AV6381-2BF08-0AX0
6AV6381-2BJ08-0AX0
6AV6381-2BK08-0AX0
6AV6381-2BL08-0AX0

As download

- WinCC RT Client
- 128 PowerTags (RT 128)
- 512 PowerTags (RT 512)
- 2 048 PowerTags (RT 2 048)
- 8 192 PowerTags (RT 8 192)
- 65 536 PowerTags (RT 65 536)
- 102 400 PowerTags (RT 102 400)
- 153 600 PowerTags (RT 153 600)
- 262 144 PowerTags (RT 262 144)

6AV6381-2CA08-0AH0
6AV6381-2BC08-0AH0
6AV6381-2BD08-0AH0
6AV6381-2BE08-0AH0
6AV6381-2BH08-0AH0
6AV6381-2BF08-0AH0
6AV6381-2BJ08-0AH0
6AV6381-2BK08-0AH0
6AV6381-2BL08-0AH0

Complete packages on DVD

- Language versions:
en, de, fr, it, es; with license for
- WinCC RC Client
 - 128 PowerTags (RC 128)
 - 512 PowerTags (RC 512)
 - 2 048 PowerTags (RC 2 048)
 - 8 192 PowerTags (RC 8 192)
 - 65 536 PowerTags (RC 65 536)
 - 102 400 PowerTags (RC 102 400)
 - 153 600 PowerTags (RC 153 600)
 - 262 144 PowerTags (RC 262 144)

6AV6381-2CB08-0AX0
6AV6381-2BM08-0AX0
6AV6381-2BN08-0AX0
6AV6381-2BP08-0AX0
6AV6381-2BS08-0AX0
6AV6381-2BQ08-0AX0
6AV6381-2BT08-0AX0
6AV6381-2BU08-0AX0
6AV6381-2BV08-0AX0

As download

- WinCC RC Client
- 128 PowerTags (RC 128)
- 512 PowerTags (RC 512)
- 2 048 PowerTags (RC 2 048)
- 8 192 PowerTags (RC 8 192)
- 65 536 PowerTags (RC 65 536)
- 102 400 PowerTags (RC 102 400)
- 153 600 PowerTags (RC 153 600)
- 262 144 PowerTags (RC 262 144)

6AV6381-2CB08-0AH0
6AV6381-2BM08-0AH0
6AV6381-2BN08-0AH0
6AV6381-2BP08-0AH0
6AV6381-2BS08-0AH0
6AV6381-2BQ08-0AH0
6AV6381-2BT08-0AH0
6AV6381-2BU08-0AH0
6AV6381-2BV08-0AH0

V8.0 ASIA

Runtime packages on DVD

- Language/script versions:
en, zh-CN, zh-TW, ko, ja;
with license for
- WinCC RT Client
 - 128 PowerTags (RT 128)
 - 512 PowerTags (RT 512)
 - 2 048 PowerTags (RT 2 048)
 - 8 192 PowerTags (RT 8 192)
 - 65 536 PowerTags (RT 65 536)
 - 102 400 PowerTags (RT 102 400)
 - 153 600 PowerTags (RT 153 600)
 - 262 144 PowerTags (RT 262 144)

6AV6381-2CA08-0AV0
6AV6381-2BC08-0AV0
6AV6381-2BD08-0AV0
6AV6381-2BE08-0AV0
6AV6381-2BH08-0AV0
6AV6381-2BF08-0AV0
6AV6381-2BJ08-0AV0
6AV6381-2BK08-0AV0
6AV6381-2BL08-0AV0

Complete packages on DVD

- Language versions:
en, zh-CN, zh-TW, ko, ja;
with license for
- WinCC RC Client
 - 128 PowerTags (RC 128)
 - 512 PowerTags (RC 512)
 - 2 048 PowerTags (RC 2 048)
 - 8 192 PowerTags (RC 8 192)
 - 65 536 PowerTags (RC 65 536)
 - 102 400 PowerTags (RC 102 400)
 - 153 600 PowerTags (RC 153 600)
 - 262 144 PowerTags (RC 262 144)

6AV6381-2CB08-0AV0
6AV6381-2BM08-0AV0
6AV6381-2BN08-0AV0
6AV6381-2BP08-0AV0
6AV6381-2BS08-0AV0
6AV6381-2BQ08-0AV0
6AV6381-2BT08-0AV0
6AV6381-2BU08-0AV0
6AV6381-2BV08-0AV0

V8.0 PowerPacks

For upgrading from:

Runtime packages

- 128 to 512 PowerTags
- 512 to 2 048 PowerTags
- 2 048 to 8 192 PowerTags
- 8 192 to 65 536 PowerTags
- 65 536 to 102 400 PowerTags
- 102 400 to 153 600 PowerTags
- 153 600 to 262 144 PowerTags

6AV6371-2BD08-0AX0
6AV6371-2BG08-0AX0
6AV6371-2BM08-0AX0
6AV6371-2BN08-0AX0
6AV6371-2BP08-0AX0
6AV6371-2BQ08-0AX0
6AV6371-2BR08-0AX0

As download

- 128 to 512 PowerTags
- 512 to 2 048 PowerTags
- 2 048 to 8 192 PowerTags
- 8 192 to 65 536 PowerTags
- 65 536 to 102 400 PowerTags
- 102 400 to 153 600 PowerTags
- 153 600 to 262 144 PowerTags

6AV6371-2BD08-0AJ0
6AV6371-2BG08-0AJ0
6AV6371-2BM08-0AJ0
6AV6371-2BN08-0AJ0
6AV6371-2BP08-0AJ0
6AV6371-2BQ08-0AJ0
6AV6371-2BR08-0AJ0

Complete packages

- 128 to 512 PowerTags
- 512 to 2 048 PowerTags
- 2 048 to 8 192 PowerTags
- 8 192 to 65 536 PowerTags
- 65 536 to 102 400 PowerTags
- 102 400 to 153 600 PowerTags
- 153 600 to 262 144 PowerTags

6AV6371-2BD18-0AX0
6AV6371-2BG18-0AX0
6AV6371-2BM18-0AX0
6AV6371-2BN18-0AX0
6AV6371-2BP18-0AX0
6AV6371-2BQ18-0AX0
6AV6371-2BR18-0AX0

As download

- 128 to 512 PowerTags
- 512 to 2 048 PowerTags
- 2 048 to 8 192 PowerTags
- 8 192 to 65 536 PowerTags
- 65 536 to 102 400 PowerTags
- 102 400 to 153 600 PowerTags
- 153 600 to 262 144 PowerTags

6AV6371-2BD18-0AJ0
6AV6371-2BG18-0AJ0
6AV6371-2BM18-0AJ0
6AV6371-2BN18-0AJ0
6AV6371-2BP18-0AJ0
6AV6371-2BQ18-0AJ0
6AV6371-2BR18-0AJ0

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Ordering data	Article No.	Article No.
V8.0 Archive <ul style="list-style-type: none"> • 1 500 archive tags (countable) • 5 000 archive tags (countable) • 10 000 archive tags (countable) • 30 000 archive tags (countable) <u>As download</u> <ul style="list-style-type: none"> • 1 500 archive tags (countable) • 5 000 archive tags (countable) • 10 000 archive tags (countable) • 30 000 archive tags (countable) 	6AV6371-1DQ10-0AX0 6AV6371-1DQ10-0BX0 6AV6371-1DQ10-0CX0 6AV6371-1DQ10-0EX0	6AV6381-2AB08-0AX4 6AV6381-2AB08-0AX3
SIMATIC WinCC software packages for IPC		
SIMATIC WinCC V8.0 Runtime <ul style="list-style-type: none"> • WinCC RT Client • 128 PowerTags • 512 PowerTags • 2048 PowerTags • 8192 PowerTags • 65536 PowerTags 	6AV6382-2AA08-0AX0 6AV6382-2CA08-0AX0 6AV6382-2DA08-0AX0 6AV6382-2EA08-0AX0 6AV6382-2HA08-0AX0 6AV6382-2FA08-0AX0	6AV6381-2AB08-0AK4 6AV6381-2AB08-0AK3
SIMATIC WinCC V8.0 Runtime ASIA <ul style="list-style-type: none"> • WinCC RT Client • 128 PowerTags • 512 PowerTags • 2048 PowerTags • 8192 PowerTags • 65536 PowerTags 	6AV6382-2AA08-0AV0 6AV6382-2CA08-0AV0 6AV6382-2DA08-0AV0 6AV6382-2EA08-0AV0 6AV6382-2HA08-0AV0 6AV6382-2FA08-0AV0	6AV6381-2CA08-0AX4 6AV6381-2CA08-0AX3
SIMATIC WinCC Upgrades/ Software Update Service		
SIMATIC WinCC V8.0 Upgrade ^{1) 2)}		
For upgrading the RT version <ul style="list-style-type: none"> • From V7.5 to V8.0 • From V7.3/V7.4 to V8.0 <u>As download</u> <ul style="list-style-type: none"> • From V7.5 to V8.0 • From V7.3/V7.4 to V8.0 	6AV6381-2AA08-0AX4 6AV6381-2AA08-0AX3	6AV6381-2CB08-0AX4 6AV6381-2CB08-0AX3
For upgrading the RC version <ul style="list-style-type: none"> • From V7.5 to V8.0 • From V7.3/V7.4 to V8.0 <u>As download</u> <ul style="list-style-type: none"> • From V7.5 to V8.0 • From V7.3/V7.4 to V8.0 	6AV6381-2CA08-0AX4 6AV6381-2CA08-0AX3	6AV6381-2CB08-0AK4 6AV6381-2CB08-0AK3
For upgrading the Client RT version <ul style="list-style-type: none"> • From V7.5 to V8.0 • From V7.3/V7.4 to V8.0 <u>As download</u> <ul style="list-style-type: none"> • From V7.5 to V8.0 • From V7.3/V7.4 to V8.0 	6AV6381-2CA08-0AX4 6AV6381-2CA08-0AX3	6AV6381-2CB08-0AK4 6AV6381-2CB08-0AK3
SIMATIC WinCC Software Update Service (SUS) ^{3) 4)}		
SIMATIC WinCC V8 Update		
Software Update Service for WinCC basic software and options: <ul style="list-style-type: none"> • 1 license • 3 licenses • 10 licenses <u>As download</u> <ul style="list-style-type: none"> • 1 license • 3 licenses • 10 licenses 	6AV6381-1AA00-0AX5 6AV6381-1AA00-0BX5 6AV6381-1AA00-0CX5	6AV6381-1KA00-0AX5 6AV6381-1KA00-0BX5 6AV6381-1KA00-0CX5

¹⁾ According to licensing provisions, 1 upgrade package must be ordered for each WinCC station

²⁾ The upgrade from V7.X RT/RC ASIA to V8.0 ASIA is performed via the "standard package"

³⁾ The Software Update Service is valid for 1 year. The contract is automatically extended by 1 more year unless canceled 3 months prior to expiration. In accordance with the license conditions, 1 Software Update Service each must be ordered per WinCC station.

⁴⁾ Requires the current software version

HMI software

SIMATIC WinCC V7/V8

SIMATIC WinCC V7/V8 basic software

Ordering data	Article No.	Article No.	
SIMATIC WinCC V8.0 communication via Industrial Ethernet/PROFIBUS SOFTNET-IE S7 Version 18 Software for S7 and S5-compatible communication incl. OPC server, PG/OP communication and NCM PC, up to 64 connections; single license for one installation of runtime software, software and electronic manual on CD-ROM, license key on USB flash drive, Class A; for CP 1612 A2; English/German <ul style="list-style-type: none"> • Single license for 1 installation • Upgrade package for SIMATIC NET Edition 2006 or higher 	6GK1704-1CW18-0AA0 6GK1704-1CW00-3AE0	Communication via PROFIBUS CP 5612 PCI card (32-bit) for connecting a PG/PC to PROFIBUS (communications software included in WinCC basic package) CP 5622 PCI Express X1 card (32-bit) for connecting a PG/PC to PROFIBUS (communications software included in WinCC basic package) CP 5711 USB adapter for connecting a PG/PC to PROFIBUS or MPI (communications software included in WinCC basic package)	6GK1561-2AA00 6GK1562-2AA00 6GK1571-1AA00
SOFTNET-IE S7 Lean Version 18 (license included in scope of supply of WinCC V8.0) Software for S7 and S5-compatible communication including OPC Server, PG/OP communication and NCM PC; up to 8 connections; single license for one installation of Runtime software, software and electronic manual on CD-ROM, license key on USB flash drive, Class A For CP 1612 A2, English/German <ul style="list-style-type: none"> • Single license for 1 installation 	6GK1704-1LW18-0AA0	CP 5613 A3 PCI card (32-bit) for connecting a PC to PROFIBUS (communications software must be ordered separately) CP 5614 A3 PCI card (32-bit) for connecting a PC to PROFIBUS (communications software must be ordered separately) CP 5623 PCI Express X1 card (32-bit) for connection of PG/PC to Industrial Ethernet (communications software must be ordered separately)	6GK1561-3AA02 6GK1561-4AA02 6GK1562-3AA00
CP 1623 PCI Express X1 card (32-bit) for connection of PG/PC to Industrial Ethernet (communications software must be ordered separately)	6GK1162-3AA00	HARDNET-PB S7 Software for S7 communication incl. PG/OP communication, FDL, OPC Server, Runtime software, software and electronic manual on CD-ROM, license key on USB flash drive, Class A for CP 5613 A3, CP 5614 A3, CP 5623 English/German <ul style="list-style-type: none"> • Single license for 1 installation • Upgrade package for SIMATIC NET Edition 2006 or higher 	6GK1713-5CB18-0AA0 6GK1713-5CB00-3AE0
HARDNET-IE S7 V18 Software for S7 and S5-compatible communication incl. OPC Server, PG/OP communication and NCM PC, single license for one installation of Runtime software, software and electronic manual on CD-ROM, license key on USB flash drive, Class A for CP 1613 A2, CP 1623, CP 1628; English/German <ul style="list-style-type: none"> • Single license for 1 installation • Upgrade package for SIMATIC NET Edition 2006 or higher 	6GK1716-1CB18-0AA0 6GK1716-1CB00-3AE0	HARDNET-PB DP Software for DP protocol incl. PG/OP communication, FDL, DP OPC Server, Runtime software, software and electronic manual on CD-ROM, license key on USB flash drive, Class A, for CP 5613 A3, CP 5614 A3, CP 5623; English/German <ul style="list-style-type: none"> • Single license for 1 installation • Upgrade package for SIMATIC NET Edition 2006 or higher 	6GK1713-5DB18-0AA0 6GK1713-5DB00-3AE0

HMI software

SIMATIC WinCC V7/V8

SIMATIC WinCC V7/V8 basic software

Ordering data

Article No.

Article No.

SIMATIC WinCC system software

V7.5 SP2

Runtime packages on DVD

- Incl. 512 archive tags each;
language/script versions:
en, de, fr, it, es; with license for
- WinCC RT Client
 - 128 PowerTags (RT 128)
 - 512 PowerTags (RT 512)
 - 2 048 PowerTags (RT 2 048)
 - 8 192 PowerTags (RT 8 192)
 - 65 536 PowerTags (RT 65 536)
 - 102 400 PowerTags (RT 102 400)
 - 153 600 PowerTags (RT 153 600)
 - 262 144 PowerTags (RT 262 144)

6AV6381-2CA07-5AX0
6AV6381-2BC07-5AX0
6AV6381-2BD07-5AX0
6AV6381-2BE07-5AX0
6AV6381-2BH07-5AX0
6AV6381-2BF07-5AX0
6AV6381-2BJ07-5AX0
6AV6381-2BK07-5AX0
6AV6381-2BL07-5AX0

As download

- WinCC RT Client
- 128 PowerTags (RT 128)
- 512 PowerTags (RT 512)
- 2 048 PowerTags (RT 2 048)
- 8 192 PowerTags (RT 8 192)
- 65 536 PowerTags (RT 65 536)
- 102 400 PowerTags (RT 102 400)
- 153 600 PowerTags (RT 153 600)
- 262 144 PowerTags (RT 262 144)

6AV6381-2CA07-5AH0
6AV6381-2BC07-5AH0
6AV6381-2BD07-5AH0
6AV6381-2BE07-5AH0
6AV6381-2BH07-5AH0
6AV6381-2BF07-5AH0
6AV6381-2BJ07-5AH0
6AV6381-2BK07-5AH0
6AV6381-2BL07-5AH0

Complete packages on DVD

- Language versions:
en, de, fr, it, es; with license for
- WinCC RC Client
 - 128 PowerTags (RC 128)
 - 512 PowerTags (RC 512)
 - 2 048 PowerTags (RC 2 048)
 - 8 192 PowerTags (RC 8 192)
 - 65 536 PowerTags (RC 65 536)
 - 102 400 PowerTags (RC 102 400)
 - 153 600 PowerTags (RC 153 600)
 - 262 144 PowerTags (RC 262 144)

6AV6381-2CB07-5AX0
6AV6381-2BM07-5AX0
6AV6381-2BN07-5AX0
6AV6381-2BP07-5AX0
6AV6381-2BS07-5AX0
6AV6381-2BQ07-5AX0
6AV6381-2BT07-5AX0
6AV6381-2BU07-5AX0
6AV6381-2BV07-5AX0

As download

- WinCC RC Client
- 128 PowerTags (RC 128)
- 512 PowerTags (RC 512)
- 2 048 PowerTags (RC 2 048)
- 8 192 PowerTags (RC 8 192)
- 65 536 PowerTags (RC 65 536)
- 102 400 PowerTags (RC 102 400)
- 153 600 PowerTags (RC 153 600)
- 262 144 PowerTags (RC 262 144)

6AV6381-2CB07-5AH0
6AV6381-2BM07-5AH0
6AV6381-2BN07-5AH0
6AV6381-2BP07-5AH0
6AV6381-2BS07-5AH0
6AV6381-2BQ07-5AH0
6AV6381-2BT07-5AH0
6AV6381-2BU07-5AH0
6AV6381-2BV07-5AH0

V7.5 SP2 ASIA

Runtime packages on DVD

- Language/script versions:
en, zh-CN, zh-TW, ko, ja;
with license for
- WinCC RT Client
 - 128 PowerTags (RT 128)
 - 512 PowerTags (RT 512)
 - 2 048 PowerTags (RT 2 048)
 - 8 192 PowerTags (RT 8 192)
 - 65 536 PowerTags (RT 65 536)
 - 102 400 PowerTags (RT 102 400)
 - 153 600 PowerTags (RT 153 600)
 - 262 144 PowerTags (RT 262 144)

6AV6381-2CA07-5AV0
6AV6381-2BC07-5AV0
6AV6381-2BD07-5AV0
6AV6381-2BE07-5AV0
6AV6381-2BH07-5AV0
6AV6381-2BF07-5AV0
6AV6381-2BJ07-5AV0
6AV6381-2BK07-5AV0
6AV6381-2BL07-5AV0

Complete packages on DVD

- Language versions:
en, zh-CN, zh-TW, ko, ja;
with license for
- WinCC RC Client
 - 128 PowerTags (RC 128)
 - 512 PowerTags (RC 512)
 - 2 048 PowerTags (RC 2 048)
 - 8 192 PowerTags (RC 8 192)
 - 65 536 PowerTags (RC 65 536)
 - 102 400 PowerTags (RC 102 400)
 - 153 600 PowerTags (RC 153 600)
 - 262 144 PowerTags (RC 262 144)

6AV6381-2CB07-5AV0
6AV6381-2BM07-5AV0
6AV6381-2BN07-5AV0
6AV6381-2BP07-5AV0
6AV6381-2BS07-5AV0
6AV6381-2BQ07-5AV0
6AV6381-2BT07-5AV0
6AV6381-2BU07-5AV0
6AV6381-2BV07-5AV0

V7.5 SP2 PowerPacks

For upgrading from:

Runtime packages

- 128 to 512 PowerTags
- 512 to 2 048 PowerTags
- 2 048 to 8 192 PowerTags
- 8 192 to 65 536 PowerTags
- 65 536 to 102 400 PowerTags
- 102 400 to 153 600 PowerTags
- 153 600 to 262 144 PowerTags

6AV6371-2BD07-5AX0
6AV6371-2BG07-5AX0
6AV6371-2BM07-5AX0
6AV6371-2BN07-5AX0
6AV6371-2BP07-5AX0
6AV6371-2BQ07-5AX0
6AV6371-2BR07-5AX0

As download

- 128 to 512 PowerTags
- 512 to 2 048 PowerTags
- 2 048 to 8 192 PowerTags
- 8 192 to 65 536 PowerTags
- 65 536 to 102 400 PowerTags
- 102 400 to 153 600 PowerTags
- 153 600 to 262 144 PowerTags

6AV6371-2BD07-5AJ0
6AV6371-2BG07-5AJ0
6AV6371-2BM07-5AJ0
6AV6371-2BN07-5AJ0
6AV6371-2BP07-5AJ0
6AV6371-2BQ07-5AJ0
6AV6371-2BR07-5AJ0

Complete packages

- 128 to 512 PowerTags
- 512 to 2 048 PowerTags
- 2 048 to 8 192 PowerTags
- 8 192 to 65 536 PowerTags
- 65 536 to 102 400 PowerTags
- 102 400 to 153 600 PowerTags
- 153 600 to 262 144 PowerTags

6AV6371-2BD17-5AX0
6AV6371-2BG17-5AX0
6AV6371-2BM17-5AX0
6AV6371-2BN17-5AX0
6AV6371-2BP17-5AX0
6AV6371-2BQ17-5AX0
6AV6371-2BR17-5AX0

As download

- 128 to 512 PowerTags
- 512 to 2 048 PowerTags
- 2 048 to 8 192 PowerTags
- 8 192 to 65 536 PowerTags
- 65 536 to 102 400 PowerTags
- 102 400 to 153 600 PowerTags
- 153 600 to 262 144 PowerTags

6AV6371-2BD17-5AJ0
6AV6371-2BG17-5AJ0
6AV6371-2BM17-5AJ0
6AV6371-2BN17-5AJ0
6AV6371-2BP17-5AJ0
6AV6371-2BQ17-5AJ0
6AV6371-2BR17-5AJ0

HMI software

SIMATIC WinCC V7/V8

SIMATIC WinCC V7/V8 basic software

Ordering data	Article No.	Article No.
V7.5 SP2 archives <ul style="list-style-type: none"> • 1 500 archive tags (countable) • 5 000 archive tags (countable) • 10 000 archive tags (countable) • 30 000 archive tags (countable) 	6AV6371-1DQ17-5AX0 6AV6371-1DQ17-5BX0 6AV6371-1DQ17-5CX0 6AV6371-1DQ17-5EX0	SIMATIC WinCC Upgrades/ Software Update Service
As download <ul style="list-style-type: none"> • 1 500 archive tags (countable) • 5 000 archive tags (countable) • 10 000 archive tags (countable) • 30 000 archive tags (countable) 	6AV6371-1HQ17-5AX0 6AV6371-1HQ17-5BX0 6AV6371-1HQ17-5CX0 6AV6371-1HQ17-5EX0	SIMATIC WinCC V7.5 SP2 Upgrade ¹⁾
SIMATIC WinCC software packages for IPC		For upgrading the RT version <ul style="list-style-type: none"> • From V7.2/7.3 to V7.5 SP2 • From V7.4 to V7.5 SP2 • From V7.2/7.3 ASIA to V7.5 SP2 ASIA ²⁾ • From V7.4 ASIA to V7.5 SP2 ASIA ²⁾
SIMATIC WinCC V7.5 SP2 Runtime <ul style="list-style-type: none"> • WinCC RT Client • 128 PowerTags • 512 PowerTags • 2 048 PowerTags • 8 192 PowerTags • 65 536 PowerTags 	6AV6382-2AA07-5AX0 6AV6382-2CA07-5AX0 6AV6382-2DA07-5AX0 6AV6382-2EA07-5AX0 6AV6382-2HA07-5AX0 6AV6382-2FA07-5AX0	<ul style="list-style-type: none"> • From V7.2/7.3 to V7.5 SP2 • From V7.4 to V7.5 SP2
SIMATIC WinCC V7.5 SP2 Runtime ASIA <ul style="list-style-type: none"> • WinCC RT Client • 128 PowerTags • 512 PowerTags • 2 048 PowerTags • 8 192 PowerTags • 65 536 PowerTags 	6AV6382-2AA07-5AV0 6AV6382-2CA07-5AV0 6AV6382-2DA07-5AV0 6AV6382-2EA07-5AV0 6AV6382-2HA07-5AV0 6AV6382-2FA07-5AV0	As download <ul style="list-style-type: none"> • From V7.2/7.3 to V7.5 SP2 • From V7.4 to V7.5 SP2
		For upgrading the RC version <ul style="list-style-type: none"> • From V7.2/7.3 to V7.5 SP2 • From V7.4 to V7.5 SP2 • From V7.2/7.3 ASIA to V7.5 SP2 ASIA ²⁾ • From V7.4 ASIA to V7.5 SP2 ASIA ²⁾
		As download <ul style="list-style-type: none"> • From V7.2/7.3 to V7.5 SP2 • From V7.4 to V7.5 SP2
		For upgrading the Client RT version <ul style="list-style-type: none"> • From V7.2/7.3 to V7.5 SP2 • From V7.4 to V7.5 SP2 • From V7.2/7.3 ASIA to V7.5 SP2 ASIA • From V7.5 ASIA to V7.5 SP2 ASIA
		As download <ul style="list-style-type: none"> • From V7.2/7.3 to V7.5 SP2 • From V7.4 to V7.5 SP2
		For upgrading the Client RC version <ul style="list-style-type: none"> • From V7.2/7.3 to V7.4 SP2 • From V7.4 to V7.5 SP2 • From V7.2/7.3 ASIA to V7.5 SP2 ASIA • From V7.4 ASIA to V7.5 SP2 ASIA
		As download <ul style="list-style-type: none"> • From V7.2/7.3 to V7.4 SP2 • From V7.2/7.3 to V7.5 SP2 • From V7.4 to V7.5 SP2
		SIMATIC WinCC Software Update Service (SUS) ^{3) 4) 5)}
		SIMATIC WinCC V7 Update
		Software Update Service for WinCC basic software and options: <ul style="list-style-type: none"> • 1 license • 3 licenses • 10 licenses
		As download <ul style="list-style-type: none"> • 1 license • 3 licenses • 10 licenses

¹⁾ According to licensing provisions, 1 upgrade package must be ordered for each WinCC station

²⁾ Upgrading from V7.X RT/RC ASIA to V7.5 ASIA is carried out using the "respective non-Asia Package"

³⁾ The Software Update Service is valid for 1 year. The contract is automatically extended by 1 more year unless canceled 3 months prior to expiration. According to licensing provisions, 1 Software Update Service must be ordered for each WinCC station.

⁴⁾ Requires the current software version

⁵⁾ SUS is available as download

HMI software

SIMATIC WinCC V7/V8

SIMATIC WinCC V7/V8 basic software

Ordering data	Article No.	Article No.
Communication via Industrial Ethernet/PROFIBUS SOFTNET-IE S7 Version 16 Software for S7 and S5-compatible communication incl. OPC Server, PG/OP communication and NCM PC; up to 64 connections; single license for one installation of Runtime software, software and electronic manual on CD-ROM; license key on USB flash drive, Class A For CP 1612 A2 English/German <ul style="list-style-type: none"> • Single license for 1 installation • Upgrade package for SIMATIC NET Edition 2006 or higher • Upgrade package for SIMATIC NET V6.0, V6.1, V6.2 and Edition 2005 	6GK1704-1CW16-0AA0 6GK1704-1CW00-3AE0 6GK1704-1CW00-3AE1	Communication via PROFIBUS CP 5612 PCI card (32-bit) for connecting a PG/PC to PROFIBUS (communications software included in WinCC basic package) 6GK1561-2AA00
		CP 5622 PCI Express X1 card (32-bit) for connecting a PG/PC to PROFIBUS (communications software included in WinCC basic package) 6GK1562-2AA00
		CP 5711 USB adapter for connecting a PG/PC to PROFIBUS or MPI (communications software included in WinCC basic package) 6GK1571-1AA00
		CP 5613 A3 PCI card (32-bit) for connecting a PC to PROFIBUS (communications software must be ordered separately) 6GK1561-3AA02
		CP 5614 A3 PCI card (32-bit) for connecting a PC to PROFIBUS (communications software must be ordered separately) 6GK1561-4AA02
		CP 5623 PCI Express X1 card (32-bit) for connection of PG/PC to Industrial Ethernet (communications software must be ordered separately) 6GK1562-3AA00
		HARDNET-PB S7 Software for S7 communication incl. PG/OP communication, FDL, OPC Server, Runtime software, software and electronic manual on CD-ROM, license key on USB flash drive, Class A for CP 5613 A3, CP 5614 A3, CP 5623 English/German <ul style="list-style-type: none"> • Single license for 1 installation • Upgrade package for SIMATIC NET Edition 2006 or higher • Upgrade package for SIMATIC NET V6.0, V6.1, V6.2 and Edition 2005
	6GK1162-3AA00	6GK1713-5CB16-0AA0 6GK1713-5CB00-3AE0 6GK1713-5CB00-3AE1
HARDNET-IE S7 V16 Software for S7 and S5-compatible communication incl. OPC Server, PG/OP communication and NCM PC, single license for one installation of Runtime software, software and electronic manual on CD-ROM, license key on USB flash drive, Class A for CP 1613 A2, CP 1623, CP 1628; English/German <ul style="list-style-type: none"> • Single license for 1 installation • Upgrade package for SIMATIC NET Edition 2006 or higher • Upgrade package for SIMATIC NET V6.0, V6.1, V6.2 and Edition 2005 	6GK1716-1CB16-0AA0 6GK1716-1CB00-3AE0 6GK1716-1CB00-3AE1	
		HARDNET-PB DP Software for DP protocol incl. PG/OP communication, FDL, DP OPC Server, Runtime software, software and electronic manual on CD-ROM, license key on USB flash drive, Class A, for CP 5613 A3, CP 5614 A3, CP 5623; English/German <ul style="list-style-type: none"> • Single license for 1 installation • Upgrade package for SIMATIC NET Edition 2006 or higher • Upgrade package for SIMATIC NET V6.0, V6.1, V6.2 and Edition 2005
		6GK1713-5DB16-0AA0 6GK1713-5DB00-3AE0 6GK1713-5DB00-3AE1

HMI software

SIMATIC WinCC V7/V8

SIMATIC WinCC V7/V8 basic software

Technical specifications

Type	SIMATIC WinCC V8.0
PC hardware requirements	
Processor type	
• Minimum	Single-user station/server: Dual-core; 2.5 GHz
• Recommended	Client: Dual-core; 2.5 GHz Single-user station/server: Multi-core; 3.5 GHz Client: Multi-core; 3 GHz ²⁾
Work memory RAM	
• Minimum	Windows 10 (64-bit) • Single-user station/server: 4 GB • Client: 2 GB
• Recommended	Windows Server 2019 / Windows Server 2022 Server: 4 GB Windows 10 (64-bit) • Single-user station/server: 4 GB • Client: 4 GB Windows Server 2019 / Windows Server 2022 Server: 8 GB
Graphics resolution	
• Minimum	1 024 x 768
• Recommended	1 920 x 1 080
Hard disk	
• Minimum	Single-user station/server: 80 GB Client: 20 GB
• Recommended	WebClient/DataMonitor Client: 5 GB Single-user station/server: 160 GB Client: 40 GB WebClient/DataMonitor Client: 10 GB
DVD-ROM/USB interface	For software installation and license transfer

More information

WinCC language versions

SIMATIC WinCC is also offered in simplified Chinese, traditional Chinese, Korean and Japanese especially for Asian markets. These WinCC versions are intended for machine manufacturers, plant constructors and exporters who supply the regions of China, Taiwan, Korea and Japan.

WinCC ASIA includes all familiar WinCC functions and offers in addition the configuration user interface in the respective national language and English. The online help is available in simplified Chinese, traditional Chinese, Korean, Japanese and English. A Chinese, Korean, Japanese or multilingual Windows operating system is required for operation.

The runtime licenses are language-neutral. The English handling program (Automation License Manager – ALM) is executable under the Chinese, Korean and Japanese Windows versions.

In order to use the Asian languages in WinCC, an Asia hardware dongle is required.

IPC packages

There are attractive packages available with SIMATIC Rack PCs (IPC347, IPC547, IPC647, IPC847), SIMATIC Box PCs (IPC227, IPC427, IPC627, IPC827) and SIMATIC Panel PCs (IPC277, IPC477, IPC677) for a completely matched software and hardware package. These IPCs can be configured in different ways for use as single station, server or client.

<http://www.siemens.com/scada-ipc>

Downloads:

In most cases, the products can also be obtained as software downloads.

You can find more information on the Software Update Service, license forms, Online Software Delivery and handling your SW licenses with the Automation License Manager here:

<http://www.siemens.com/simatic-licenses>