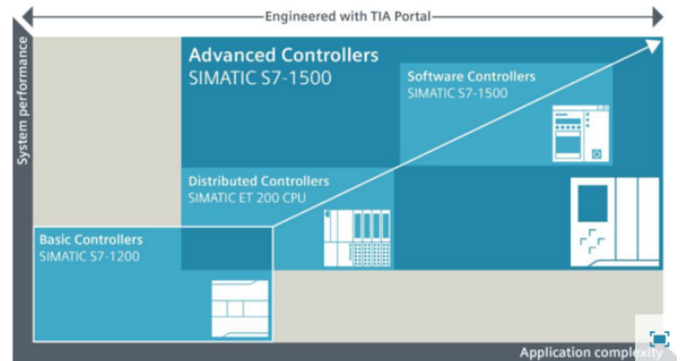


SIMATIC STEP 7 TIA Portal

Innovative engineering for both proven and new SIMATIC controllers

SIMATIC STEP 7 (TIA Portal) continues the success story of SIMATIC STEP 7. With SIMATIC STEP 7 (TIA Portal), you can configure, program, test, and diagnose the Basic, Advanced and Distributed Controllers of all generations, whether PLC- or PC-based, including software controllers.

STEP 7 (TIA Portal) helps you perform your engineering tasks intuitively and efficiently. Thanks to its integration in TIA Portal, STEP 7 offers transparency, intelligent user navigation, and straightforward workflows in every work and programming step. Functions such as drag & drop, copy & paste, and Auto Complete make work much quicker and easier.



Tel. 705 682 2828
Toll free 1 800 461 4076

www.chesscontrols.com
sales@chesscontrols.com

SIMATIC STEP 7 in TIA Portal is the comprehensive engineering tool for configuring and programming SIMATIC controllers, whether PLC- or PC-based.

SIMATIC STEP 7 Professional (TIA Portal) : used to configure, program, test, and diagnose all generations of SIMATIC controllers.

SIMATIC STEP 7 Basic (TIA Portal) : price-optimized subset of STEP 7 Professional software that can be used both for engineering the SIMATIC S7-1200 Basic Controllers and for configuring the SIMATIC HMI Basic Panels.

Technical specifications

STEP 7 Professional V17 (TIA Portal)	
Type of license	Floating license
Software class	A
Current version	V17
Target system	SIMATIC S7-1200, S7-1500, S7-300, S7-400, WinAC, software controllers
Operating systems	Windows 10 (64-bit) <ul style="list-style-type: none"> • Windows 10 Professional Version 1909, 2004, 20H2 • Windows 10 Enterprise Version 1909, 2004, 20H2 • Windows 10 IoT Enterprise 2016 LTSB • Windows 10 IoT Enterprise 2019 LTSC Windows Server (64-bit) <ul style="list-style-type: none"> • Windows Server 2016 Standard (full installation) • Windows Server 2019 Standard (full installation)

STEP 7 Professional V17 (TIA Portal)

Recommended PC hardware

Computer	SIMATIC Field PG M6 Advanced or higher (or comparable PC)
Processor	Intel Core i5-8400H (up to 4.2 GHz)
RAM	16 GB or more (min. 8 GB, 32 GB for large projects)
Hard disk	SSD with at least 50 GB storage space available
Network	1 Gbit (for multi-user)
Screen	15.6" full HD display (1920 x 1080 or higher)

Compatibility with other SIMATIC products

STEP 7 V17 can be installed on a PC in parallel with other versions of STEP 7 V13 SP2 to V16 and STEP 7 V5.6.

As of TIA Portal project version V13 SP1, projects can be directly upgraded to V17. Upgrading of projects from previous project versions (V11 ... V13) is carried out on the basis of the TIA Portal products (e.g. STEP 7) used in the project in version V13 SP1 or V13 SP2 (latest update recommended).

Step 7 Basic ordering data:

[6ES7822-0AA00-0YLO](#)

SIMATIC S7, STEP 7 Basic, Software Update Service within the framework of this contract, you will receive for one year all up-to-date software versions. the contract is extended automatically by 1 year if it is not canceled 3 months prior to expiration. Period of delivery and service: 1 year from date of invoice Requirement for conclusion: current version of the software

[6ES7822-0AA07-0YA5](#)

SIMATIC STEP 7 Basic V17; Floating License; engineering software in TIA Portal; software and documentation on DVD; license key on USB flash drive; class A; 9 languages: [de.en.zh](#) included, [fr.sp.it.ru.jp.kr](#) as download; executable in Windows 10, Windows Server 2016/2019; for configuration of SIMATIC S7-1200 SIMATIC Basic Panels ***** content: set (4x DVD + 1x USB)

[6ES7822-0AE00-0YYO](#)

SIMATIC STEP 7 Basic SUS Download TIA Portal within the framework of this contract, you will receive for one year all up-to-date software versions. The contract is extended automatically by 1 year, if not canceled 3 months prior to expiration. Period of delivery and service: 1 year from date of invoice Requirement for conclusion: current version of the software ***** Email address required for delivery

[6ES7822-0AE07-0YE5](#)

SIMATIC STEP 7 Basic V17, upgrade V11..V16-> V17; Floating License download; engineering software in TIA Portal; software, documentation and license key for download; class A; 9 languages: [de.en.zh](#) included, [fr.sp.it.ru.jp.kr](#) as download; executable in Windows 10, Windows Server 2016/2019; for configuration of SIMATIC S7-1200, SIMATIC Basic Panels ***** Email address required for delivery

[6ES7822-1AA07-0YC5](#)

SIMATIC STEP 7 Professional V17; Power Pack Basic V17 -> Professional V17; Floating License; engineering software in TIA Portal; license key on USB flash drive; class A; 9 languages: [de.en.zh](#) included, [fr.sp.it.ru.jp.kr](#) as download; executable in Windows 10, Windows Server 2016/2019; for configuration of SIMATIC S7-1200/1500, SIMATIC S7-300/400/WinAC, SIMATIC Basic Panels ***** content: 1x USB

[6ES7822-0AA00-0YMO](#)

SIMATIC S7, STEP 7 Basic, Software Update Service Compact for multiple orders on one position, these deliveries are grouped. Minimum order quantity: 3 units within the framework of this contract, you will receive for one year all up-to-date software versions. the contract is extended automatically by 1 year if it is not canceled 3 months prior to expiration. Period of delivery and service: 1 year from date of invoice. Requirement for conclusion: current version of the software

[6ES7822-0AA07-0YE5](#)

SIMATIC STEP 7 Basic V17, upgrade V11..V16-> V17 Floating License; engineering software in TIA Portal; software and documentation on DVD; license key on USB flash drive; class A; 9 languages: [de.en.zh](#) included, [fr.sp.it.ru.jp.kr](#) as download; executable in Windows 10, Windows Server 2016/2019; for configuration of SIMATIC S7-1200 SIMATIC Basic Panels ***** content: set (4x DVD + 1x USB)

[6ES7822-0AE07-0YA5](#)

SIMATIC STEP 7 Basic V17; Floating License download; engineering software in TIA Portal; software, documentation and license key for download; class A; 9 languages: [de.en.zh](#) included, [fr.sp.it.ru.jp.kr](#) as download; executable in Windows 10, Windows Server 2016/2019; for configuration of SIMATIC S7-1200, SIMATIC Basic Panels ***** Email address required for delivery

[6ES7822-1AA07-0YA7](#)

SIMATIC STEP 7 Professional V17; trial for 21 days; engineering software in TIA Portal; software and documentation on DVD; class A; 9 languages: [de.en.zh](#) included, [fr.sp.it.ru.jp.kr](#) as download; executable in Windows 10, Windows Server 2016/2019; for configuration of SIMATIC S7-1200/1500, SIMATIC S7-300/400/WinAC, SIMATIC Basic Panels ***** content: set (4x DVD)

[6ES7822-1AE07-0YC5](#)

SIMATIC STEP 7 Professional V17; Power Pack Basic V17 -> Professional V17; Floating License download; engineering software in TIA Portal; class A; software, documentation and license key for download; 9 languages: [de.en.zh](#) included, [fr.sp.it.ru.jp.kr](#) as download; executable in Windows 10, Windows Server 2016/2019; for configuration of SIMATIC S7-1200/1500, SIMATIC S7-300/400/WinAC, SIMATIC Basic Panels ***** Email address required for delivery

Step 7 Professional ordering data:

6ES7810-5CC00-0YM2

SIMATIC S7 STEP7 Prof combo incl. TIA Portal, Software Update Service Compact for multiple orders on one position, these deliveries are grouped. Minimum order quantity: 3 units within the framework of this contract, you will receive for one year all current software versions. the contract is extended automatically by 1 year if it is not canceled 3 months prior to expiration. Period of delivery and service: 1 year from date of invoice. Requirement for conclusion: current version of the software

6ES7810-5CC04-0YY2

SIMATIC STEP7 Prof combo SUS DL incl. TIA Portal, Software Update Service (SUS) download, within the framework of this contract, you will receive for one year all current software versions. The contract is extended automatically by 1 year, if not canceled 3 months prior to expiration. Period of delivery and service: 1 year from date of invoice Requirement for conclusion: current version of the software ***** Email address required for delivery

6ES7810-5CE14-0YB5

SIMATIC STEP 7 Professional V17/2021 Combo including TIA Portal, Floating License for 1 user, E-SW, software, documentation and license key download, class A, 5/9 languages ([de.en.fr.es.it](#))/([zh.ru.jp.kr](#)), executable in Windows Server 2016/2019, Windows 10 Professional, Windows 10 Enterprise reference hardware: S7-300/400 (S7-1200/1500) ***** Email address required for delivery

6ES7822-1AA00-0YM5

SIMATIC STEP 7 Professional Software Update Service (SUS) Compact for STEP 7 TIA Portal; for multiple orders on one position, these deliveries are grouped. Minimum order quantity: 3 units within the framework of this contract, you will receive for one year all up-to-date software versions. the contract is extended automatically by 1 year if it is not canceled 3 months prior to expiration. Period of delivery and service: 1 year from date of invoice. Requirement for conclusion: current version of the software

6ES7822-1AA07-0XC5

SIMATIC STEP 7 Professional V17; Powerpack & Upgrade STEP 7 V5.3..V5.7 -> V17/2021; Combo Floating License; engineering software in TIA Portal; software and documentation on DVD; license key on USB flash drive; class A 9 languages: [de.en.zh](#) included, [fr.sp.it.ru.jp.kr](#) as download; executable in Windows 10 (64-bit), Windows Server 2016/2019; for configuring of SIMATIC S7-1200/1500, S7-300/400/[WinAC](#), SIMATIC Basic Panels ***** content: set (5x DVD + 1x USB)

6ES7822-1AA07-0YA7

SIMATIC STEP 7 Professional V17; trial for 21 days; engineering software in TIA Portal; software and documentation on DVD; class A; 9 languages: [de.en.zh](#) included, [fr.sp.it.ru.jp.kr](#) as download; executable in Windows 10, Windows Server 2016/2019; for configuration of SIMATIC S7-1200/1500, SIMATIC S7-300/400/[WinAC](#), SIMATIC Basic Panels ***** content: set (4x DVD

6ES7810-5CC04-0YE2

SIMATIC S7 STEP7 Prof combo incl. TIA Portal, Software Update Service within the framework of this contract, you will receive for one year all current software versions. the contract is extended automatically by 1 year if it is not canceled 3 months prior to expiration. Period of delivery and service: 1 year from date of invoice Requirement for conclusion: current version of the software

6ES7810-5CC14-0YA5

SIMATIC STEP 7 Professional V17/2021 Combo including TIA Portal, Floating License for 1 user, E-SW, software and documentation on DVD, license key on USB flash drive, class A, 5/9 languages ([de.en.fr.es.it](#))/([zh.ru.jp.kr](#)), executable in Windows Server 2016/2019, Windows 10 Professional, Windows 10 Enterprise reference hardware: S7-300/400 (S7-1200/1500) ***** content: set (5x DVD + 1x USB)

6ES7822-1AA00-0YL5

SIMATIC STEP 7 Professional Software Update Service (SUS) for STEP 7 in TIA Portal; within the framework of this contract, you will receive for one year all up-to-date software versions. the contract is extended automatically by 1 year if it is not canceled 3 months prior to expiration. Period of delivery and service: 1 year from date of invoice. Requirement for conclusion: current version of the software

6ES7822-1AA07-0XC2

SIMATIC STEP 7 Professional V17; migration package; Powerpack & Upgrade STEP 7 V5.7 -> V17/2021; Combo Floating License; only valid with simultaneous order of a SUS 6ES7810-5CC04-0YE2. Prerequisite is an existing STEP 7 SUS. software and documentation on DVD, class A; license on USB flash drive; 9 languages: [de.en.zh](#) included, [fr.sp.it.ru.jp.kr](#) as download; executable in Windows 10, Windows Server 2016/2019; for configuring of SIMATIC S7-1200/1500, S7-300/400/[WinAC](#), SIMATIC Basic Panels ***** content: set (5x DVD + 1x USB)

6ES7822-1AA07-0YA5

SIMATIC STEP 7 Professional V17; Floating License; engineering software in TIA Portal; software and documentation on DVD; license key on USB flash drive; class A; 9 languages: [de.en.zh](#) included, [fr.sp.it.ru.jp.kr](#) as download; executable in Windows 10 Windows Server 2016/2019; for configuration of SIMATIC S7-1200/1500, SIMATIC S7-300/400/[WinAC](#), SIMATIC Basic Panels ***** content: set (4x DVD + 1x USB)

6ES7822-1AA07-0YE5

SIMATIC STEP 7 Professional V17; upgrade V11..V16-> V17 or V11/2010..V16/2017 -> V17/2021 or 2006..2017-> V17/2021 Combo Floating License; Engineering Software in the TIA Portal; also applies for upgrade from V11 single licenses; software and documentation on DVD; license key on USB flash drive; class A; 9 languages: [de.en.zh](#) included, [fr.sp.it.ru.jp.kr](#) as download; executable in Windows 10, Windows Server 2016/2019; for configuring of SIMATIC S7-1200/1500, S7-300/400/[WinAC](#), SIMATIC Basic Panels ***** content: set (5x DVD + 1x USB)

6ES7822-1AE00-0YY0

SIMATIC STEP 7 Professional Software Update Service (SUS) Download for TIA Portal; within the framework of this contract, you will receive for one year all up-to-date software versions. The contract is extended automatically by 1 year, if not canceled 3 months prior to expiration. Period of delivery and service: 1 year from date of invoice. Requirement for conclusion: current version of the software
***** Email address required for delivery

6ES7822-1AE07-0XC5

SIMATIC STEP 7 Professional V17; Powerpack & Upgrade STEP 7 V5.3..V5.7-> V17/2021; Combo Floating License DL; engineering software in TIA Portal; class A; software, documentation and license key for download; 9 languages: de en zh included, fr sp it ru jp kr as download; executable in Windows 10, Windows Server 2016/2019; for configuration of SIMATIC S7-1200/1500, SIMATIC S7-300/400/WinAC, SIMATIC Basic Panels
***** Email address required for delivery

6ES7822-1AE07-0YE5

SIMATIC STEP 7 Professional V17; upgrade V11..V16-> V17 or V11/2010..V16/2017-> V17/2021 or 2006..2017-> V17/2021 Combo Floating License DL; Engineering Software in the TIA Portal; also applies for upgrade from V11 single licenses; software, documentation and license key for download; class A; 9 languages: de en zh included, fr sp it ru jp kr as download; executable in Windows 10, Windows Server 2016/2019; *****
Email address required for deliver

6ES7823-1GE07-0YA5

SIMATIC 50h Eng. V17 Combo Floating License download; 50 h usage time for the following SIMATIC engineering software: STEP 7 Professional 2021, STEP 7 Professional V17, WinCC flexible 2008, WinCC Professional V17, STEP 7 Distributed Safety V5.4, STEP 7 Safety Advanced V17; software, documentation and license key for download; class A; ***** Email address required for delivery

Step 7 TIA Portal options:

- STEP 7 Safety (TIA Portal)
- ODK 1500S
- SIMATIC Safe Kinematics
- Easy Motion Control (TIA Portal)
- S7-PLCSIM Advanced
- Target 1500S for Simulink
- PID Professional (TIA Portal)
- OPC UA S7-1200/S7-1500

For more information on Siemens Step 7 TIA Portal programming software or any other Field PG or HMI software, please contact your Chess Controls representative at 705 682 2828 or send an email request for information or site meeting.

Licenses

- STEP 7 Professional V17 is supplied with a STEP 7 Professional V17 floating license. The floating license allows the software to be used on any number of computers. This means one user per license can use the software independently of the computer used and without being tied to a specific workstation. The number of licenses acquired determines the number of computers on which the software can be used simultaneously.
- Existing STEP 7 Professional licenses of versions V11-V16 can be upgraded to V17. This requires an upgrade license.
- The user receives a combo license when upgrading from STEP 7 V5.x. The combo license enables engineering to be performed both on the STEP 7 V 5.x and the STEP 7 V17 platform.
- The STEP 7 Basic V17 license can be upgraded to a STEP 7 Professional V17 license with a PowerPack.

6ES7822-1AE07-0XC2

SIMATIC STEP 7 Professional V17; conversion package download; Powerpack & Upgrade STEP 7 V5.7->V17/2021 Combo Floating License; only valid with simultaneous ordering of an SUS 6ES7810-5CC04-0YY2. Prerequisite is an existing STEP 7 SUS; class A; software, documentation and license key for download; 9 languages: de en zh included, fr sp it ru jp kr as download; executable in Windows 10, Windows Server 2016/2019; ***** Email address required for delivery

6ES7822-1AE07-0YA5

SIMATIC STEP 7 Professional V17; Floating License download; engineering software in TIA Portal; software, documentation and license key for download; class A; 9 languages: de en zh included, fr sp it ru jp kr as download; executable in Windows 10, Windows Server 2016/2019; for configuration of SIMATIC S7-1200/1500, SIMATIC S7-300/400/WinAC, SIMATIC Basic Panels
***** Email address required for delivery

6ES7822-1BE07-0YC5

SIMATIC STEP 7 Professional V17; Powerpack V17 Trial 365-> V17 Floating License download; engineering software in TIA Portal; only valid with simultaneous ordering of an SUS 6ES7822-1AE00-0YY0; requirement is an existing STEP 7 V17 Trial 365 license; license key for download; without software and documentation ***** Email address required for delivery

