

# Software for SIMATIC controller

## STEP 7 programming software

### STEP 7 Professional

#### Overview



STEP 7 Professional supports all IEC languages.

In addition to the languages recognized by STEP 7

- LAD
- FBD
- IL

the following are also available:

- "Sequential Function Chart"
- "Structured Text".

An offline simulation of programs created with these languages is included. STEP 7 Professional thus replaces the combination of the individual packages STEP 7, S7-GRAPH, S7-SCL and S7-PLCSIM.

A POWERPACK is offered to customers who use STEP 7 already and wish to change. A valid STEP 7 license is required for purchasing the POWERPACK. A separate update service is available for STEP 7 Professional.

#### Technical specifications

	STEP 7 Professional
Type of license	Floating license
Software class	A
Current version	Edition 2010
Target system	SIMATIC S7-300 SIMATIC S7-400 SIMATIC C7
Operating system	Windows XP Professional Windows 7 Professional, Windows 7 Ultimate
Main memory expansion in PG / PC, min.	Depends on Microsoft Windows operating system used. Recommendation: 1 to 2 GB
Hard drive requirement in PG / PC	Depending on scope of installation, 700 to 1000 MB
Size of user program in the CPU	approx. factor 1.5 compared with STEP 5 with AWL (STL - instruction list), KOP (LAD - ladder diagram), FUP (FBD - function block diagram)
Comment	Includes all 5 IEC programming languages KOP (LAD - ladder diagram), FUP (FBD - function block diagram), AWL (STL - instruction list), SCL (structured control language), GRAPH and the PLC simulation software S7-PLCSIM

#### Ordering data

#### Order No.

##### STEP 7 Professional 2010

Target system:  
SIMATIC S7-300/400,  
SIMATIC C7, SIMATIC WinAC  
Requirements:  
Windows XP Prof., Windows 7  
Professional / Ultimate  
Type of delivery:  
German, English, French,  
Spanish, Italian; license key on  
USB stick, with electronic  
documentation

Floating license on DVD

**6ES7 810-5CC11-0YA5**

Rental license for 50 hours

**6ES7 810-5CC11-0YA6**

STEP 7 Professional Software  
Update Service; 1 year;  
for STEP 7 Professional and  
STEP 7 Professional inside  
TIA Portal, requires current  
software version

**6ES7 810-5CC04-0YE2**

STEP 7 Professional Software  
Update Service Compact; 1 year;  
for STEP 7 Professional and  
STEP 7 Professional inside  
TIA Portal, requires current  
software version

**6ES7 810-5CC00-0YM2**

Upgrade of Floating License to  
Edition 2010; on DVD

**6ES7 810-5CC11-0YE5**

Powerpack Floating License for  
upgrading from STEP 7 to  
STEP 7 Professional

**6ES7 810-5CC11-0YC5**

Trial License STEP 7 Professional  
2010;  
on DVD, runs for 14 days

**6ES7 810-5CC11-0YA7**

##### Documentation package STEP 7 basic information

Comprising Getting Started,  
hardware configuration manual,  
programming manual, migration  
manual

German

**6ES7 810-4CA10-8AW0**

English

**6ES7 810-4CA10-8BW0**

French

**6ES7 810-4CA10-8CW0**

Spanish

**6ES7 810-4CA10-8DW0**

Italian

**6ES7 810-4CA10-8EW0**

##### STEP 7 reference manuals

Comprising STL, LAD and FBD  
manuals as well as a reference  
manual for standard and system  
functions for SIMATIC S7-300/400

German

**6ES7 810-4CA10-8AW1**

English

**6ES7 810-4CA10-8BW1**

French

**6ES7 810-4CA10-8CW1**

Spanish

**6ES7 810-4CA10-8DW1**

Italian

**6ES7 810-4CA10-8EW1**