SIEMENS

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SIMATIC S7-1500 Starter Kit with compact CPU 1511C-1 PN and STEP 7 Professional V16

SIMATIC S7-1500 Starter Kit with compact CPU

6ES7511-1CK03-4YB5

Content:
- SIMATIC S7-1500 CPU 1511C-1 PN
- SIMATIC Memory Card, 4 MB
- Mounting rail 160 mm
- 365-day license [1] for STEP7 Professional V16
- License [2] for SIMATIC ProDiag S7-1500 for 250 supervisions
- License [2] SIMATIC OPC UA S7-1500 Small
- Power supply PM 70W 120/230 V AC
- Standard Ethernet CAT 5 cable
- Screwdriver

Note:

[1] Full version of STEP 7 with 365-day validity. During this time, all the functions of the full version are available, and updates and service packs can be installed. At the end of this trial period, the software can be upgraded to a regular version by purchasing a Powerpack in combination with a software update contract (SUS).

[2] Full license, the license is enclosed for the period of active marketing of TIA Portal V16

Ordering information:

Designation	Article number
SIMATIC S7-1500 Starter Kit with compact CPU	6ES7511-1CK03-4YB5
SIMATIC STEP 7 V16 Powerpack: V16 Trial 365 -> V16	6ES7822-1BE06-0YC5
SIMATIC STEP 7 Professional TIA Portal SUS	6ES7822-1AE00-0YY0

Easy entry

Everything for an easy start: The SIMATIC S7-1500 Starter Kit with the compact CPU for standard applications or the technology CPU for extended motion control requirements. Utilize our Starter Kits to program, install, connect and commission quickly and easily.

For more information about the S7-1500 PLC family, S7-1500 Starter kit, please contact your local representative at Chess Controls Inc. at 705 682 2828 or by email at sales@chesscontrols.com

The Ultimate Plus for productivity and efficiency

Use the Simatic S7-1500 controllers for all aspects of production automation and applications for medium-sized and high-end machines that are demanding in terms of performance, communication, flexibility, and technology.

Take controls of innovations

Using the SIMATIC S7-1500 controller gives you top performance and built in viability into the future. You can turn the most sophisticated machine designs into reality thanks to the modular structure of the controller, which provides reliable assistance as you you're your way through the digital transformation.

Edge integration with SIMATIC S7-1500

The technology module TM MFP alows Edge Computing for SIMATIC Controllers

The Multifunctional Platform TM MFP is designed for integrating various independent applications.

- Openess for customized high-level language applications., e.g. C/C++ for
  - protocol converters,
  - database connection,
  - complex algorithms,
  - integration of vision systems.
- Possible use of optional software packages and edge apps e.g.Proneta or SIMATIC Flow Creator.

AI applications with SIMATIC S7-1500

The S7-1500 TM NPU module operates using a trained neural system.

The module can be seamlessly integrated into the SIMATIC automation system permitting a simple and profitable combination of AI algorithms and PLC logic. This is how inexpensive and rescalable applications using SIMATIC can be implemented at the machine based on artificial intelligence, e.g

- Smart object recognition of any workpieces
- Visual quality check of products
- Quality checking using sensor and production data

High-level languages on SIMATIC S7-1500

Multifunctional platform for PC- and control tasks

The CPU 1518(F)-4 PN/DP MFP enables the merging of previously separate applications on a common platform
Due to its connectivity and high computing power the MFP CPU is suited for sophisticated control tasks as well as for PC-typical applications that

- require high-level language programming,
- are developed model-based or
- must be implemented using databases

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