



SIMATIC S7-400: Harmonized innovation and continuity

SIMATIC S7-400 has always been synonymous with challenging automation tasks in industry. Safety and availability with highest performance and flexibility at the same time are not a contradiction, but the classic application for a SIMATIC S7-400H from Siemens.

With its high scalability, the SIMATIC S7-400 offers a tailor-made solution for almost every task, whether in a complex SIMATIC PCS 7 application, or a classic STEP 7 or TIA Portal application. Wherever processes have to be designed with efficiency, high availability and fail-safe requirements in mind, plant operators have relied on the SIMATIC S7-400H/FH for years.

In order to protect the controller even better against external influences, an additional conformal coating layer on the printed circuit board has become standard in automation. For this purpose, the manufacturing plant in Karlsruhe (Germany), the birthplace of the SIMATIC S7-400, has been expanded to include a modern, environmentally friendly UV coating section.

With a planned availability until 2035 and beyond, the SIMATIC S7-400 automation system is particularly suitable for long-term projects in the chemical, energy or infrastructure sectors.

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SIMATIC S7-400 – the first choice into the future when it comes to safety and availability.

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SIMATIC S7-410:

First choice in the process industry

With the SIMATIC S7-410 controller, Siemens is bringing PROFINET to the process industry. With its two Ethernet ports, the flexible S1, S2 and even R1 PROFINET architectures are easy to implement. In addition, PROFIBUS interface ensures the best possible connectivity for each installed base. The operating range has been extended for ambient temperatures up to 70 °C. Due to its extended range of functions, the SIMATIC S7-410 is also suitable for unmanned standard, high-availability or failsafe automation solutions.

Thanks to its unique scaling concept, the SIMATIC S7-410 can be adapted cost-effectively to the respective automation task. The I/O systems used are the SIMATIC ET 200M, and ET 200SP, as well as the SIMATIC ET 200SP HA with its outstanding R1 functionalities and, especially in hazardous environments, the SIMATIC ET 200iSP.

The SIMATIC S7-410 is particularly at home in the SIMATIC PCS 7 process control system, where innovation and long-term availability complement each other. Another unique advantage of the SIMATIC S7-410: It is not only the standard controller in the SIMATIC environment, the same hardware is also the basis for the web-based SIMATIC PCS neo process control system. This provides optimum support for system changeovers, without the need to exchange the controller. If necessary, the SIMATIC S7-410 can also be used in process-oriented STEP 7 applications to form the basis for a modern R1 PROFINET network architecture.

In terms of security, an automation system based on the SIMATIC S7-410 is also at the vanguard, as the CNCERT security certification impressively demonstrates, for example.

With its planned availability until 2040 and beyond, the SIMATIC S7-410 is an investment in the future.

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With ongoing updates and continuous support, the SIMATIC S7-410 is your future-proof investment for the now and tomorrow.

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