

Hannover Messe 2018, Hall 9, Booth D35

New redundancy controllers for mid-sized and large automation applications

- **Three new redundancy CPUs for the Simatic S7-1500 Advanced Controller range**
- **Simple engineering just as with standard CPUs**
- **Back-up CPU takes control of the process automatically and quickly – without data loss**
- **Connection of field devices via Profinet ring**

Siemens is expanding its Simatic S7-1500 Advanced Controller range with three new CPUs for redundant automation applications. The CPU1513R and CPU1515R are used for small to medium-sized projects with a focus on CPU redundancy. If one CPU fails, the back-up CPU automatically takes control of the process with no data loss and the process continues very quickly. As with the standard CPUs, the engineering of the redundancy CPUs is especially easy for users. The TIA Portal engineering framework and the redundant CPUs synchronize programs and data without the user having to intervene. The CPU1517H is used for larger applications and higher performance requirements. Here, dedicated synchronization modules enable faster, smooth switchover.

To increase the communication availability of the field devices, they are connected to the CPUs via a Profinet ring. All nodes are thus still accessible in the event of a fieldbus interruption. To enable this, the field devices, such as the Simatic ET 200SP distributed I/O system, must support S2 redundancy. In further steps, redundant Profinet networks will also be supported.

Background information:

Siemens offers the right controller for an extremely wide range of automation requirements. The scalable Simatic range of controllers, comprising Basic, Advanced, Distributed and Software Controllers, all have the same range of functions. The S7-1200 Basic Controllers are used for compact automation solutions, and the S7-1500 Advanced Controllers for complex tasks, while the ET 200SP Distributed Controllers are suitable for distributed applications, and the Software Controllers for PC-based applications.



Siemens is expanding its Simatic S7-1500 Advanced Controller range with new CPUs for redundant automation applications. If one CPU fails, the back-up CPU automatically takes control of the process

You will find this press release and a press photo at

www.siemens.com/press/PR2018040228DFEN

For further information, refer to www.siemens.com/simatic-controller

Find further information about Siemens at the Hannover Messe 2018 at:

www.siemens.com/press/hm18 and www.siemens.com/hannovermesse

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