

SPPA-T3000 AS/CS3000 HW3

Flexible performance
and unlimited connectivity

The new Automation and Communication Server for SPPA-T3000

AS3000 HW3

The Automation Server AS3000 HW3 is the successor of AS3000 HW2. The Siemens manufactured hardware ensures support during the entire lifecycle of the control system. AS3000 HW3 is designed for a wide range of applications, even for rougher conditions in an industrial environment. It can be utilized either in combination with AS-S7 or in uniform configuration.

The innovative, flexible platform combines all automation and communication tasks. It provides real-time capabilities as needed for demanding control and closed loop applications. Also AS3000 HW3 provides the runtime environment for demanding and complex optimization and programming tasks. An integrated dual redundancy link allows smaller footprinting and reduced wiring. The integrated 3rd party connectivity allows an efficient control system design with a scalable setup for easy expansion. Additionally, online repair can be performed with only a temporary interruption of the redundancy.

I/Os are connected via PROFINET and/or via PROFIBUS. PROFINET and PROFIBUS can be operated

simultaneously for connecting the new ET200SP HA, the ET 200M including intelligent PROFIBUS field devices and also the AddFEM POCO.

CS3000 HW3

The Communication Server CS3000 HW3 is the innovative next generation of the successful product line CS3000. It is based on the same platform as AS3000 HW3. The innovated CS3000 with scalable modular setup for all communication tasks allows for efficient control system design by seamlessly connecting all different types of subsystems and blackboxes and is prepared for multi-protocol configurations. CS3000 HW3 provides the connectivity to 3rd party devices with onboard Ethernet ports and optional serial ports. Compatibility to the predecessors will be maintained.

Supported by the AS/CS3000, SPPA-T3000 provides flexible connectivity options, including:

- Modbus RTU/ASCII and TCP
- DNP3.0 serial, over UDP2 and over TCP
- IEC 60870-5-101 and -104
- IEC 61850
- Connect S7/PCS7 via Black Box
- OPC UA Client (DA, AC)
- and many more



The innovated SPPA-T3000 hardware platform: AS/CS3000 HW3

Advantages at a Glance

- **Flexible** platform for all automation and communication tasks
- Runtime environment for demanding and **complex optimization** and **programming** tasks
- **Ensured support** during the entire lifecycle
- A wide range of connectivity options allows an **efficient control system design**
- Scalable modular setup for **easy expansion**
- Integrated dual redundancy link results in **smaller footprint** and **reduced wiring effort**

Flexible performance and unlimited connectivity

Redundant and non-redundant version:

Redundant AS/CS3000 HW3

1 x Rack (backplane) and 2 x CPU
Internal dual redundancy link to keep both controllers synchronized

Redundancy Functions:

- Master/Slave configuration
- Slave in Hot Stand-by with bumpless transition
- Redundancy Manager monitors the health and initiates the swap over
- Supports online repair

Non-redundant AS/CS3000 HW3

1 x Rack (backplane) and 1 x CPU

Included features of AS/CS3000 HW3:

On board connection to Automation Highway

Integrated ethernet ports for PROFINET (100 Mbit/s)

Ethernet communication (1,000 Mbit/s)

Optional extension for Serial Communication (RS232, RS485)

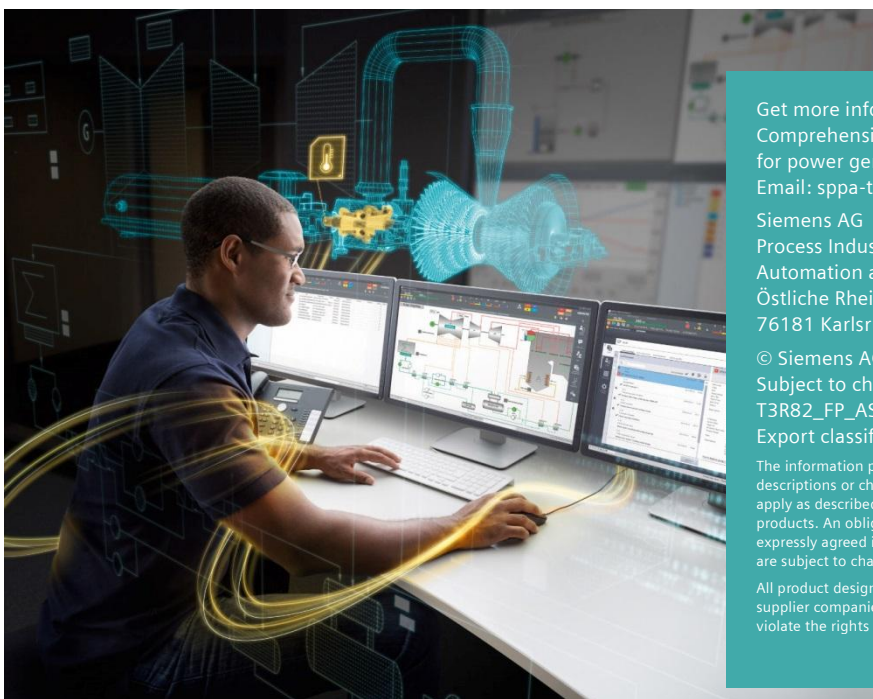
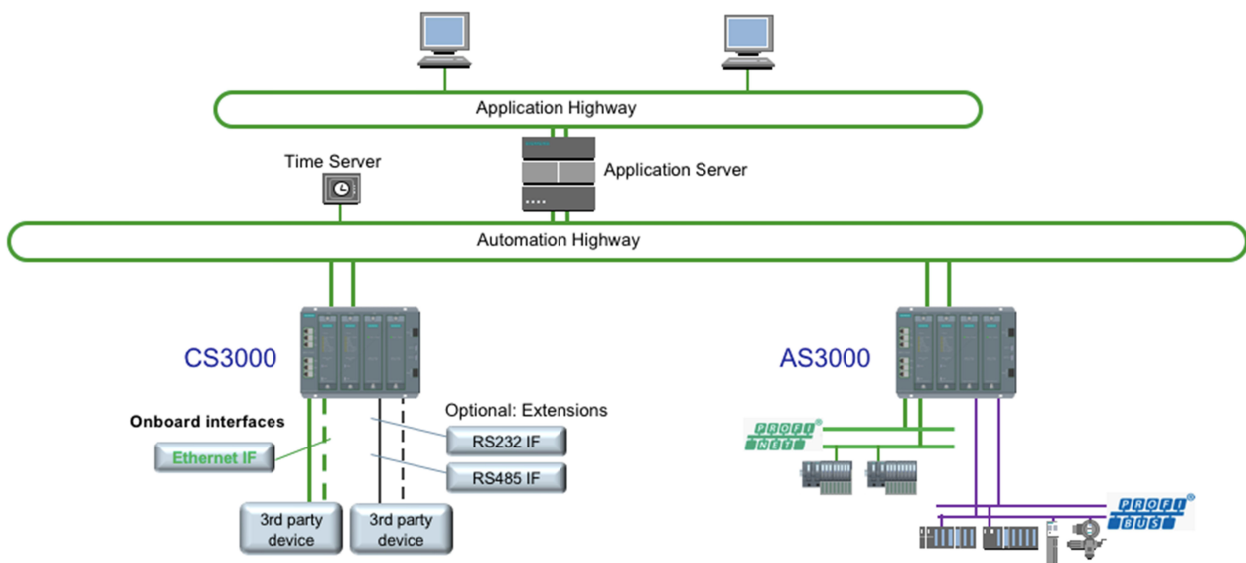
RT Java for high level programming

High available PROFINET configuration and PROFIBUS DP

Onboard Industrial Ethernet interfaces (electrical)

- Connection Automation Highway
- PROFINET supported

Prepared for extension



Get more information

Comprehensive information concerning the control system

for power generation: www.siemens.com/sppa-t3000

Email: sppa-t3000.energy@siemens.com

Siemens AG

Process Industries and Drives

Automation and Engineering

Östliche Rheinbrückenstr. 50

76181 Karlsruhe, Germany

© Siemens AG 2018

Subject to change without prior notice

T3R82_FP_AS-CS3000_e_V1-0

Export classification of the goods: AL N; ECCN EAR99

The information provided in this product flyer merely contains general descriptions or characteristics of performance which in actual use do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of contract. Availability and technical specifications are subject to change without notice.

All product designations may be trademarks or product names of Siemens AG or supplier companies whose use by third parties for their own purposes could violate the rights of the owners.