TIA Portal: A new dimension of integrated engineering – also with AS-Interface

AS-Interface has long since become an integral component of the automation landscape. The integration of this open and manufacturer-independent bus system in the TIA Portal – the industry sector’s first automation software with a joint engineering framework – therefore represents a logical consequence.

One software project for all automation tasks
With the TIA Portal, Siemens developed a unique engineering framework which sets new standards and opens up new perspectives in the field of industrial automation. It combines all software tools for automation in a single integrated development environment and offers numerous advantages to its users: Featuring interfaces which support intuitive familiarization and operation, efficient navigation and tried-and-tested technology, the TIA Portal simplifies the entire engineering process and considerably minimizes the respective time and cost expenditures – from development, mounting and commissioning, down to maintenance and expansion of automation systems.

Highlights at a glance
• Automatic data and project consistency
• Uniform operating concept for all automation tasks
• Powerful libraries for all automation objects
• Joint services and characteristics (e.g. configuration, communication, diagnostics)
• Parameterization and diagnostics – for the first time without additional tools
• Faster and eased integration in SIMATIC
• Network view – now also with AS-Interface for the first time
AS-Interface: Integral part of the TIA Portal

Rapid and intuitive configuration, easy hardware and network parameterization: Those are only some of the advantages offered by the TIA Portal – moreover, these benefits can now also be utilized for AS-Interface.

The integration of AS-Interface in the TIA Portal now for the first time enables users to benefit from a network view with maximum integration: All network stations are graphically represented in a transparent manner. Furthermore, handling is absolutely identical with that of PROFIBUS and PROFINET networks.

Advantages at a glance

- Intuitive engineering right from the start
- Efficient tools for rapid success
- Tried-and-tested functionality for innovative results

Network view

- Easy configuration via drag & drop from the hardware catalog
- Photo-realistic representation of all network stations and components down to the actuator / sensor level
- Rapid station networking through communication interface inter-connection via a mouse-click

Device view

- Comfortable parameterization of AS-i slaves
- AS-i address assignment
- Plain text display of the I/O assignment based on the AS-i profile

Online diagnostics

- Availability of visual diagnostics information in the network and device view
- Display of all status messages (operation, fault, maintenance) at a glance
- Diagnostics feedback in plain text display

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