



Smart Home Server Brief Description of the SW Modules

Creating Value through People®

Software House of Siemens Switzerland AG - the Software Factory

Intelligent buildings open up new possibilities with regard to operating convenience, functionality and mobility for their occupants, users and service providers.

The intelligent building consists of a series of independent technical systems.

- The components of the building automation thereby look after the lighting, shading and air conditioning.
- Multi-room audio and video solutions and multimedia servers make a comprehensive room coverage possible. Each zone can thereby be controlled independently.
- Intercom system, systems, video monitoring and many others.

In the *Smart Home Server*, a range of different functional modules are available for the interplay and operation of these systems. They make it possible to obtain both convenience and simple operation.

Smart Home Server Basic Licence

Basic functions for the control of the lighting, shading and room temperature, including user documentation in German.

Central functions

A single control command initiates several events. For example, a single press on a button could switch off all the lights in the house.

Group functions

With this function, you can conveniently obtain a status overview over complete rooms or houses at a single glance. For example, an object can be defined as "Lighting 1st Floor". This object receives the status "ON" as soon as at least one light on the 1st floor is switched on.

Soft scenarios

The scenario function is a fixed component in building automation using the EIB (European Installation Bus). What is new here is that, instead of the EIB modules, these functions will be taken over by the *Smart Home Server*.

A scenario can be created, edited, assigned and called up using the browser-based visualisation interface.

For example, with the „Cinema“ scenario, the roller blinds can be closed, the lighting can be reduced and the projector and audio system can be activated by a single push of a button.

SoftSwitch

With Soft-Switches, new functions can be assigned to existing EIB sensors (e.g. a switch). An example of this is an EIB IR remote control, whose functional allocations can be modified to meet current needs via the Web browser, without having to change the EIB programming.

Processing of fault messages

Fault messages can be received via the EIB. They will be recorded, and then be distributed (by Pop-up windows for active SHS users, and by Mail and SMS) using an escalation scenario that can be configured for each possible fault.



SNMP Traps

Fault messages can be received via SNMP and be forwarded to the fault message processing system. In this way, for example, the status of the component of a network infrastructure can be monitored (firewall, router, switch, server, printer, telephone installation, etc.).

Time controls

Time controls relieve the occupants from planned and repetitive operating functions and make the realisation of time-controlled processes possible. The time control module of the *Smart Home Servers* thereby functions in two different operational modes:

- As a programmable time-switch with calendar functions, which can be set up, managed and carried out as both individual and recurring switch commands.
- As a programmable delay element that is activated by an EIB signal and that will initiate a defined EIB replay once the pre-programmed time delay has expired. An EIB signal can thereby be both a binary value (On/Off) and an 8-bit value (e.g., 50%). This applies to both input and output signals.

Audio/Video drive

The control of multimedia controllers (e.g., Ada, Audioaccess, Global Cache, Vity) for the integration of the various multimedia terminals, such as TV, tuner, CD, DVD, audio, video, video-server/switch, etc.

Video-Streaming

The embedding of video signals into the operating interface. For example, from a video monitoring system, the intercom system or for the operation of modern multimedia equipment by means of On Screen Displays (OSD).

Intercom system

The embedding of the speech and image transmissions of an intercom system into the operating interface, including the associated function switches.

User Management and Personalisation

Access to the elements can be administered via an integrated User Management. In this way, each person receives access to the information and functions that were intended for him/her.

Multi-lingual capability

The Web interface of the *Smart Home Servers* supports a mechanism for changing languages. With this, several languages can be supported at the same time. You can also switch between the desired languages „Online“.

Test functions

By means of the integrated test functions, we are able to analyse the message traffic on the EIB.

WAP

Operation from a mobile telephone. In addition to a guided visualisation and operation, the user can subscribe to specific events. In case of a change of status, he will then be informed via WAP-Push.

Contact person

Siemens Switzerland AG

Werner Fehlmann

Software House

Viaduktstrasse 40, CH- 4051 Basel

Tel: +41(0)585 567 643

Fax: +41(0)585 567 671

Mail: werner.fehlmann@siemens.com

www.siemens.ch/de/softwarehaus

Doc. No. DSBN-SHS-PB-SW-1003