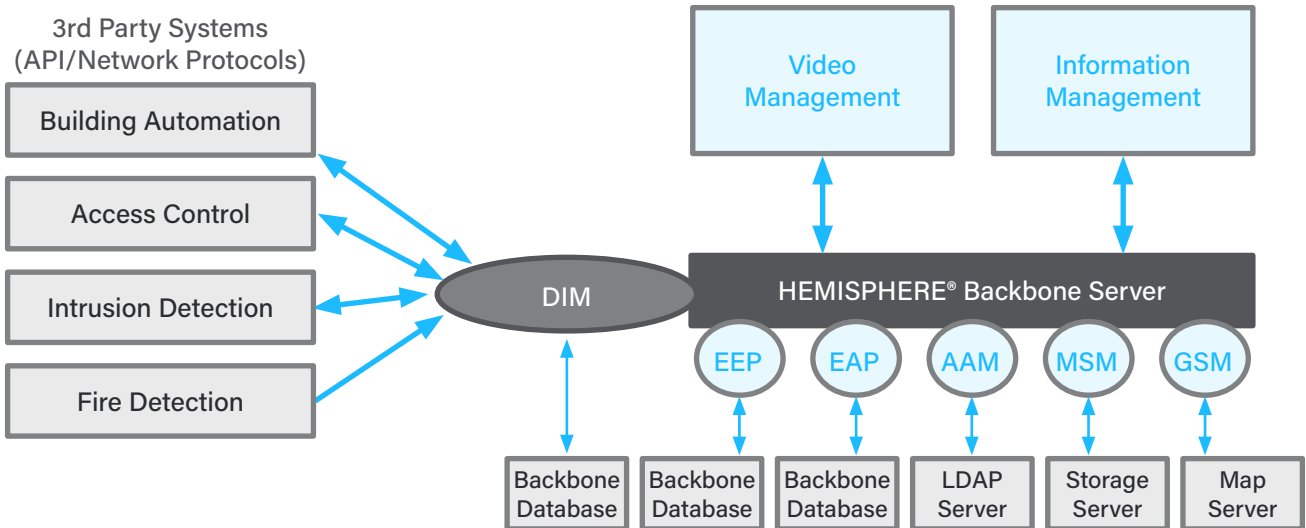


Data Interface Module

HEMISPHERE® DIM Module for the connection and control of 3rd party systems over API or network protocols and the forwarding of data and states as messages



The HEMISPHERE® Backbone Server Software with its integrated modules forms the central and extremely powerful system for the efficient and rule-based distribution of data as alarm messages, status messages, event messages or authorization information between all components of a HEMISPHERE® Security and Business Management System.



Function

The HEMISPHERE® Data Interface Module (DIM) offers a variety of plugins for the connection of 3rd party systems over industrial network protocols (OPC), standardized network protocols (RESTful) or proprietary network protocols and programming interfaces (API). These allow the passive reception and active retrieval of states and data from the connected systems and their forwarding as event messages into the HEMISPHERE® system. In addition, data can also be sent to the connected systems, which in turn allows the 3rd party systems to be controlled from the HEMISPHERE® system.

Value Range

The HEMISPHERE® Data Interface Module can retrieve data from the connected systems and link them directly to states. It also allows the definition of value ranges which are assigned to a state. For example, if a temperature sensor delivers a value between 0° and 10°, the state "cold" is determined. This state can in turn be linked to a predefined event and processed further.

Control

The HEMISPHERE® Data Interface Module is able to send data to the connected 3rd party systems and thus allows their control. The control commands can be triggered by an operator, but can also be sent automatically based on states. For example, the temperature sensor of a room could provide a value between 0° and 10°. This corresponds to the "cold" state, which triggers a "close window" control command to the building automation system.

Events

The HEMISPHERE Data Interface Module can link the received states of the connected systems with predefined events using an identifier. If an event is triggered by the corresponding state, an event message is automatically sent to the event-inbox of a defined HEMISPHERE® workstation. Accordingly, the status of the connected system can be displayed by a definable icon on a map of the workstation. In addition, each event is archived in the integrated database with all associated data.

Criticality

The HEMISPHERE® Data Interface Module allows the assignment of a priority or criticality for each event. In the event inbox of a HEMISPHERE® workstation this classification can be used to search and filter relevant messages. In addition, this assignment allows the creation of rules according to which critical event messages are only sent to certain operators or groups.

Workflow and Alarms

The HEMISPHERE® Data Interface Module can transfer event messages to the EEP and EAP modules for further processing. These in turn allow the triggering of automatic workflows, the sending of a corresponding alarm message to the alarm inbox or the sending of an e-mail to a specific operator.

Configuration

The HEMISPHERE® Data Interface Module provides a graphical user interface for configuration, which can be accessed platform independently with a web browser.

Hardware

The HEMISPHERE® Data Interface Module can be installed directly on a HEMISPHERE® Backbone Server. A separate server is not required.

Licensing

The licenses for the HEMISPHERE® Data Interface Module and the used plugins are managed on the HEMISPHERE® Site Dongle. Separate web client licenses for configuration are not required.

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Module License	
007349	DLD - HEMISPHERE® Data Interface Module License for the use of the DIM module for the connection and control of 3rd party systems over API and network protocols, without licenses for interface plugins, for one instance of the HEMISPHERE® Backbone Server
Plugin Licenses Building Automation	
007381	DLD - HEMISPHERE® Plugin OPC DA (1.0/2.0) License for the use of the DIM module for the connection of 3rd party systems over the OPC (DA 1.0) protocol, for one instance of the HEMISPHERE® Backbone Server
007857	DLD - HEMISPHERE® Plugin OPC UA License for the use of the DIM module for the connection of 3rd party systems over the OPC UA protocol, for one instance of the HEMISPHERE® Backbone Server
007382	DLD - HEMISPHERE® Plugin BACnet (Version 1 Revision 19)¹⁾ License for the use of the DIM module for the connection of 3rd party systems over the BACnet (version 1 revision 19) protocol, for one instance of the HEMISPHERE® Backbone Server
007383	DLD - HEMISPHERE® Plugin KNX/EIB¹⁾ License for the use of the DIM module for the connection of 3rd party systems over the KNX/EIB protocol, for one instance of the HEMISPHERE® Backbone Server
007384	DLD - HEMISPHERE® Plugin Modbus/TCP¹⁾ License for the use of the DIM module for the connection of 3rd party systems over the Modbus/TCP protocol, for one instance of the HEMISPHERE® Backbone Server
007385	DLD - HEMISPHERE® Plugin MOXA ioLogik E1200 Series (V2.6 Build16091211) License for the use of the DIM module for the connection of MOXA ioLogik E1200 Series (V2.6 Build16091211) devices, for one instance of the HEMISPHERE® Backbone Server
Plugin Licenses Access Control Systems	
007386	DLD - HEMISPHERE® Plugin Interflex IF-6040 (V7.6) License for the use of the DIM module for the connection of Interflex IF-6040 (V7.6) systems, for one instance of the HEMISPHERE® Backbone Server
007387	DLD - HEMISPHERE® Plugin C-CURE 9000¹⁾ License for the use of the DIM module for the connection of C-CURE 9000 systems, for one instance of the HEMISPHERE® Backbone Server
007388	DLD - HEMISPHERE® Plugin Suprema Biostar¹⁾ License for the use of the DIM module for the connection of Suprema Biostar systems, for one instance of the HEMISPHERE® Backbone Server
007758	DLD - HEMISPHERE® Plugin Paxton Net2 V6¹⁾ License for the use of the DIM module for the connection of Paxton Net2 V6 systems, for one instance of the HEMISPHERE® Backbone Server
007884	DLD - HEMISPHERE® Plugin Grosvenor Sateon Advance (V3.4.8)¹⁾ License for the use of the DIM module for the connection of Sateon Advance (V3.4.8) systems, for one instance of the HEMISPHERE® Backbone Server
Plugin License Fire Alarm Systems	
007389	DLD - HEMISPHERE® Plugin SMARTRYX¹⁾ License for the use of the DIM module for the connection of SMARTRYX compatible systems, for one instance of the HEMISPHERE® Backbone Server

1) Function in preparation

