



Symmetry™ XML Open Integration Module Datasheet

KEY FEATURES

- Gives two-way control and exchange of data between the Symmetry Security Management System and other systems
- Simplifies and standardizes the task of linking diverse systems
- Uses Microsoft® IIS, available free of charge with Windows®
- Saves time by allowing data to be shared between different systems
- Enables development of common user interfaces that increase efficiency and reduce training costs
- Allows hardware such as sensors to be shared, which reduces equipment costs
- Provides security against unauthorized access

The Symmetry XML Open Integration Module is an optional management module that can be purchased to enable the development of programs that can control and exchange information with the Symmetry Security Management System.

The Symmetry Open Integration Module employs industry-standard XML and Web Service technologies. These achieve easy communication between diverse systems, irrespective of the programming languages or platforms used, and are recognized as being fundamental in the move towards distributed computing.

The Open Integration Module can be used to create interfaces between the Symmetry system and applications such as Building Management, Intrusion, Payroll, Personnel or Enterprise Requirements Planning (ERP) systems.

A range of methods (API commands) are provided, which allow many routine operations to be carried out from an external program, such as importing or exporting card holder details, opening doors, switching on video cameras, raising barriers and acknowledging alarms.

Two-way communications are possible. This enables, for example, card readers or monitor points to provide control of intrusion, HVAC or other systems, and alarms from external party systems to be sent to the Symmetry Security Management System.

XML technologies are often used to develop common user interfaces for different systems. This can bring many benefits, including improved accuracy of data, increased efficiency and reduced training costs.





SPECIFICATIONS

Operation

- Allows access over internet or intranet
- Provides a web service running on a web server installed with Microsoft IIS and WS Security
- Responds to Method calls (API commands) from third-party applications

Symmetry Operations Supported

- Importing details of card holders, including adding new card holders, deleting card holders, modifying existing card holder data, making cards inactive and changing access rights
- Obtaining the details of card holders that are already in the Symmetry database
- Viewing, acknowledging and clearing outstanding alarms
- Sending commands to devices (e.g., to open a door or switch on a network video camera)
- Viewing the status of Symmetry Security Management System devices (e.g., to determine whether a door is locked or unlocked)
- Importing alarms from other third-party systems

Security

- Username and password checking for each method call received
- Third-party user can only access company data and devices in his or her own company group

PURCHASING INFORMATION

- XML-COM-DEV-KIT-V8
.Net Web Service to allow bi-directional alarms
- XML-C&C-DEV-KIT-V8
.Net Web Service to allow bi-directional data exchange
- XML-DEV-KIT-V8
.Net Web Service SDK to develop integrated solutions

METHOD CALLS

Method calls (API commands) support the following operations:

- Clear or acknowledge an outstanding alarm
- Retrieve alarms that have not been cleared
- Transmit alarms from other systems to the Symmetry Security Management System
- Get a list of card holders
- Import card holder details
- Determine the status of a device
- Send a command to a system device
- Return time codes
- Retrieve card holder or visitor personal data titles
- Retrieve names and IDs of badge designs
- Retrieve access codes defined in the Symmetry Security Management System software
- Retrieve description and ID of all devices of the specified type
- Retrieve IDs of companies
- Retrieve meaningful description for each device type
- Retrieve set of commands of a specified type
- Determine how messages from devices are handled
- Make a test call on the username and password
- Retrieve description for each command type
- Retrieve description for each import operation
- Return status of a card holder import