**DATASHEET** | ACCESS CONTROL | PRODUCT OVERVIEW

SYMMETRY™
PRODUCT OVERVIEW

The Symmetry Security Management Systems provides powerful integrated solutions for organizations requiring Access Control and Integrated Security. Solutions are available for organizations of any size — from small offices requiring just a few card readers or cameras to large corporations and government agencies spread over multiple sites or countries.

- Access Control
- Video Management
- Alarm Management
- Identity Management
- Intrusion Management
- Intercom Control
- Situational Awareness
- Visitor Management
- Threat Level Manager
- Workflow Designer
- Biometrics

With over 30,000 security systems installed worldwide, we are one of the leading Access Control system manufacturers. We have over 30 years of experience in developing state of the art hardware and software systems to secure everything from your local store to protecting some of the highest security facilities in the world. If you need a scalable system that can grow as your organization grows, our systems can expand to handle an unlimited number of employees spread over hundreds of sites. Our systems are designed to grow in scale and complexity as your organization evolves.

We maintain complete control over the design and manufacture of both the key hardware and software systems, which enables us to include features that may otherwise be difficult to implement, and to react quickly to customers' requirements.

We are often told that Symmetry Software is the best as it is very carefully designed and is certified by Microsoft®.

Our innovative, rapid development and forward thinking allows us to pioneer products at the forefront of the industry. Our products are designed with IT managers in mind, yet they are simple to learn, operate and install.

Our approach to system design is choice using an open and standards based architecture. Symmetry access control, digital video, identity management and intrusion systems integrate with the latest innovations on the market to provide you with the best options and choices. We are always at the leading edge of all security management technologies to bring you the latest technology straight into your building.

We will continue to develop new products to encompass the latest technologies and integration. We're ahead of the pack, and that's where we intend to stay.

Microsoft Partner
Gold Application Development
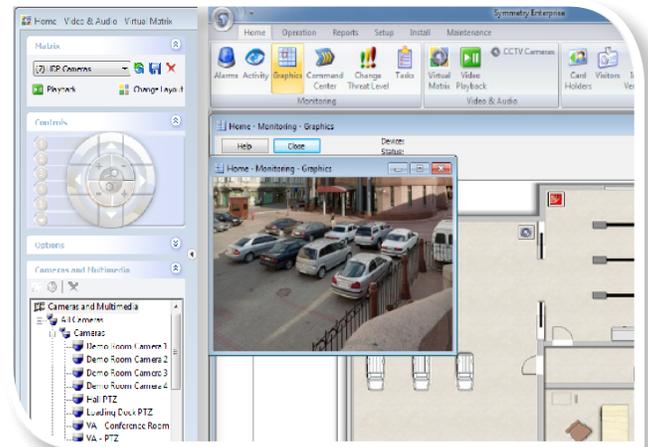
SYMMETRY SOFTWARE PACKAGES

One of five different types of software packages can be used:

- Symmetry Professional
- Symmetry Enterprise
- Symmetry Global
- Symmetry Business
- Symmetry Homeland

The choice of software package depends on the size of the system, with Symmetry Professional supporting the smallest systems, and Symmetry Global supporting the largest systems.

All software versions communicate over the LAN, WAN or Internet with a single server machine that holds the system databases. Since the system has been designed to use minimal bandwidth, your existing network can be used, resulting in little or no additional networking costs. For small systems, a single PC can be used, acting as both the client and server.

All systems are certified on Microsoft® Windows® operating systems and provide a graphical user interface that minimizes training needs for users. The system employs the very latest thinking in user-interface design. Features such as customizable

ribbon bars, wizards, icons, tree views and drag and drop techniques make the user interface intuitive and simple to use. Extensive online help gives instant information about the task that is being carried out.

At the heart of all Symmetry software packages is the powerful Microsoft SQL Server 2014 database engine which provides high levels of performance for systems of any size. The Symmetry Professional software uses the Desktop Engine version of the software which is freely available and supplied on the installation CD. The database engine has the advantage of being highly scalable, enabling you to expand the system to any size as your requirements grow.

WHAT'S IN OUR SYMMETRY SECURITY MANAGEMENT SYSTEM?

- Symmetry Professional, Symmetry Enterprise or Symmetry Global (The PC-based security management software)
- One or more Symmetry multiNODE Controller units
- A card reader for each access-controlled area
- An integrated security management system including video management, alarm, visitor, intercom and intrusion management

SOFTWARE PACKAGE	Max Card Readers	Max Number of Client PCs	Max Number of Cards	Notes
Symmetry Professional	512	9	Unlimited	A true client / server system for systems requiring no more than 512 readers. The server can also be used as a client for smaller systems.
Symmetry Enterprise	Unlimited	Unlimited	Unlimited	Uses Microsoft SQL Server on a dedicated server. Optimized for a very large number of card holders across a LAN or WAN. Supports clustered servers and virtualization.
Symmetry Global	Unlimited	Unlimited	Unlimited	Builds on Symmetry Professional and Enterprise to provide enhanced capabilities for remote management of multiple systems spread over a number of geographically separate sites. Enables centralized alarms and card handling from a single site.
Symmetry Homeland Professional	512	9	Unlimited	FICAM Approved, designed specifically for users of federal smart card standards including FIPS 201, CAC, PIV, TWIC & FRAC. Also for replacement of Casi Rusco Systems.
Symmetry Homeland Enterprise	Unlimited	Unlimited	Unlimited	FICAM Approved, designed specifically for users of federal smart card standards including FIPS 201, CAC, PIV, TWIC & FRAC. Also for replacement of Casi Rusco Systems.

SYMMETRY SECURITY MANAGEMENT SOFTWARE

Each user runs Symmetry Security Management software, the application that allows you to configure, monitor and control the security management system. The software lets you set up card holders, assign access rights, produce reports, monitor alarm conditions and control hardware such as cameras and readers. The Symmetry Security Management software includes an extensive range of standard features.

The ability to customize the system to show only those features that your users require ensures that operator training is kept to a minimum and allows users who have different requirements to be presented with different features. The ability to customize the system in many other ways underlines the inherent flexibility of its design and ensures that the system performs to your exact requirements without compromising ease of use.

The Symmetry Security Management software has been designed to provide the most efficient system management with extensive and flexible reporting capabilities. The wide range of standard features ensures that you can obtain the full benefits from your investment.

KEY DESIGN CONCEPTS

Symmetry hardware and software is based on these main design concepts:

- Ease of use
- Flexibility
- Scalability
- Open architecture
- Modularity
- Backward & forward compatibility

SYMMETRY SECURITY MANAGEMENT SOFTWARE – STANDARD FEATURES

- Access Control
- Video Management
- Identity Management
- Alarm Management
- Visitor Management

- Visitor Management
- Graphic Maps
- Command & Control
- Situational Awareness
- Badge Designer
- Advanced Tools
- Management Reports

OTHER OPTIONAL MANAGEMENT MODULES

- Threat Level Manager
- Intrusion Management
- Workflow Designer
- Guard Patrol
- Safety Roll Call
- Data Connect - Import / Export
- XML Open Integration
- SymmetryWEB™ client
- Intercom Management
- Directory Sync Manager

SYMMETRY DOOR CONTROLLERS

Symmetry door controllers provide the distributed intelligence for access control and alarm monitoring. Using the relevant rules set up in Symmetry, the door Controllers manage the connected devices, including card readers, locking devices, alarm sensors and auxiliary outputs. A Symmetry multiNODE Controller can operate offline from the server to decide whether or not to grant access and can respond in the desired manner to any attempted access violation.

Online communication with the server can be achieved using any standard IP network or direct RS232 link, or via dial-up modem for remote sites. Online access enables alarms monitoring, reporting and hardware control from any network connected device.

The key design concept behind the Symmetry door controllers' modularity enables you to choose and purchase only those components that are actually required, right down to the PCB level. This approach leads to extremely cost-effective solutions that are tailored to your own requirements.
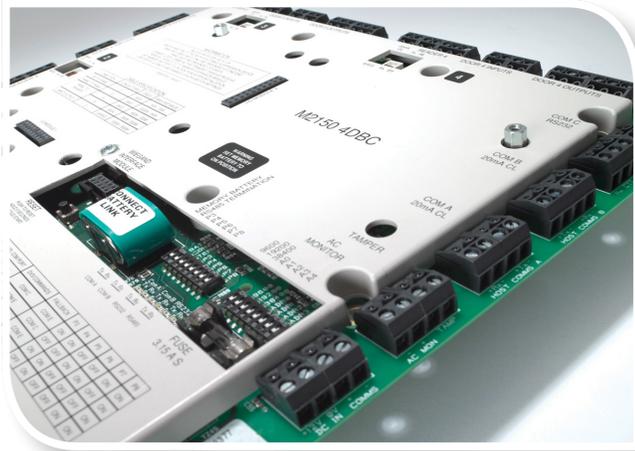
SYMMETRY MULTINODE 2150 CONTROLLER

The Symmetry multiNODE-2150 is a modular range of intelligent controllers that provide very flexible configurations for up to 16 card readers and 250,000 card holders

SYMMETRY EDGE NETWORK CONTROLLERS

The 1 & 2 door EN controllers are cost effective, reducing installation costs by using Power over Ethernet for locks.

SYMMETRY SR CONTROLLERS

SR Controllers are the perfect plug & play retrofit solution to replace legacy Casi Rusco Picture Perfect, Secure Perfect and FCWnx Systems.

SYMMETRY MULTINODE CONTROLLER BENEFITS

- Distributed Intelligence
- Distributed database for resilient Access Control
- Off-site redundancy
- Cost-effective modular design
- Easy to install
- Easy system expansion
- Compatible with a wide range of standard card readers
- High levels of integration
- Flash memory reduces upgrade time
- Offline control
- Communications security
- UL-Listed variants

ALARM PANEL INTEGRATION

- Intrusion detection system integration
- Alarm control and acknowledgement from the Symmetry Security Management System

OPEN INTEGRATION PLATFORM MANAGEMENT

- Integration of systems throughout an organization is often a key business requirement. The open platform provided by our security management system allows high levels of integration with other third-party systems.

- Allows import/export to a Microsoft® SQL 2014 database
- Encryption prevents unauthorized data from being imported
- Selectable card data for export

CARD READER TECHNOLOGIES

The Symmetry M2150 Controller supports a full range of reading technologies including smart card, proximity, magstripe, biometrics and Wiegand (via Wiegand Interface Modules). Each Symmetry card reader can control alarm inputs, auxiliary outputs and readers, including our own ranges of magnetic stripe, proximity, smart card and biometric readers, NXP MIFARE, DESFire and PIV card readers. The system can be expanded as required by using additional control units.

Symmetry is fully compatible with HID iClass card readers.

Further system flexibility is provided by a range of remote door/alarm units, which can be connected up to 3000 ft (1 km) from the controlling database unit. The remote door/alarm units provide a cost-effective method of connecting doors and alarm sensors that are located across a wide area.

CARD READERS

We manufacture a wide range of reliable, high-performance card readers to meet all requirements.

SYMMETRY JAVELIN CARD READERS

Symmetry Javelin Card Readers employ the very latest proximity and contactless smart card technologies and enable the widest range of compatibility.

- Features wall switch and keypad versions
- Provides compatibility with:
    - NXP MIFARE Plus and DESFire EV1 and EV2
    - HID format proximity cards
    - US Government PIV, TWIC, FRAC & CAC-NG cards

THE BENEFITS

- Easy to install, with standard mountings
- High performance and reliability, many with lifetime warranty
- Supervised communications

- Attractive designs
- Easy-to-follow instructions
- The full range of reader technologies from a single supplier
- High degree of integration with third party hardware and software
- Connection distance of 3000ft (1km) from multiNODE

HID AND BIOMETRIC CARD READERS

Symmetry supports HID iClass and all other card readers following the Weigand protocol. Support is also included for hand, iris, face and fingerprint recognition.

VIDEO MANAGEMENT SOFTWARE

- Live video review of up to 72 concurrent cameras per client PC
- Managed, indexed storage of H.264 and MPEG-4 video from the network cameras and encoders
- Event-based recording integrated with Intrusion and Access Control
- Alarm Management including analytic and video loss alarms
- Graphical Maps with interactive video control
- Review stored video from NVR, network camera archive and video encoders
- Instant-replay of recently recorded video
- Record Now feature allows guards to initiate recording
- Flexible on Event presentation of video

SYMMETRY NETWORK CAMERAS

The Symmetry network camera range makes AMAG a one-stop-shop for all the key security system components. The Symmetry cameras contain top quality, low cost, video analytics which integrate with Symmetry software triggers to create an additional layer of security.

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AMAG
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A G4S COMPANY

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