

# SYMMETRY™ PRODUCT SUMMARY

The AMAG Technology range of Symmetry Security Management Systems provides powerful integrated solutions for organizations requiring automated security. Solutions are available for organizations of any size — from small offices requiring just a few card readers to large corporations spread over multiple sites and countries.

- Access Control
- Video Management
- Alarms Management
- Intercom Control
- Web Access
- Visitor Management
- Identity Management
- Digital Video
- Smart Card Technology
- Threat Level Manager
- Workflow Designer (from v7.0)
- Intrusion Detection (from v7.0)

With over 30,000 security systems installed worldwide, we are one of the leading security manufacturers in the world. 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 company 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.

AMAG Technology has 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.

Our innovative, rapid development and forward thinking allows AMAG Technology 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. AMAG Technology's 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.

AMAG Technology 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.



## 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 three packages provide true client/server solutions, where each client PC communicates 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 qualified on Microsoft® Windows® operating systems and provide a graphical user interface that minimizes training needs for users. The system employs the very latest

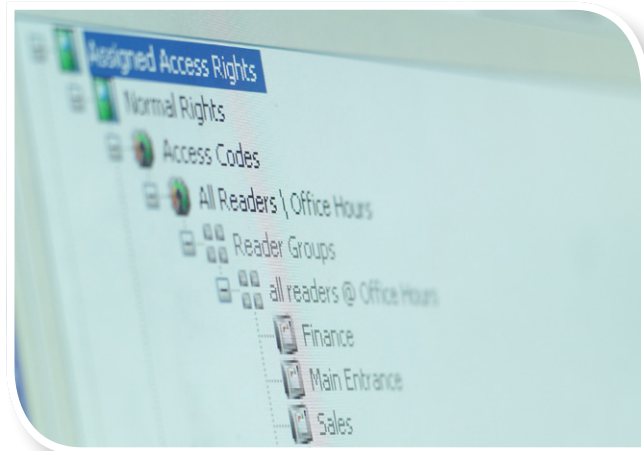
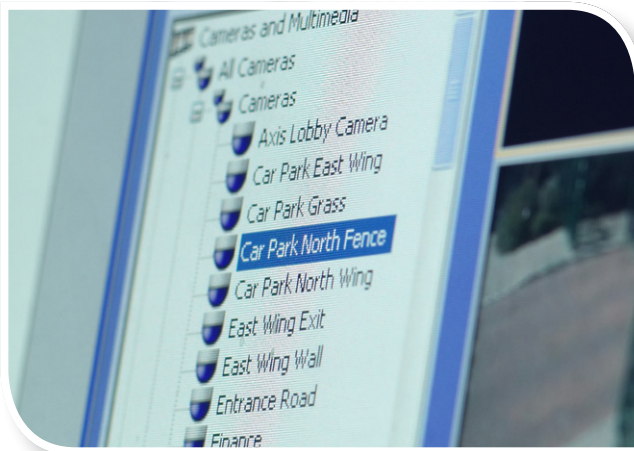
thinking in user-interface design. Features such as customizable toolbars, wizards, icons, tree views and drag and drop techniques make the user interface intuitive and simple to use. Extensive online help gives instant information about the task that is being carried out.

At the heart of all Symmetry software packages is the powerful Microsoft SQL Server 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 reader for each access-controlled area
- An integrated security management system including biometrics, smart card, Intruder 3rd Party Systems

SOFTWARE PACKAGE	Max Number of 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.
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 for "fail over" contingency.
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 central card handling from a single site.



## SYMMETRY SECURITY MANAGEMENT SOFTWARE

Each client PC runs the 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:

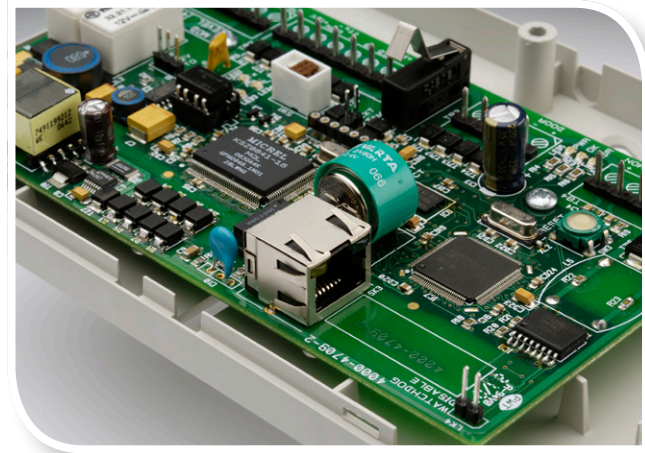
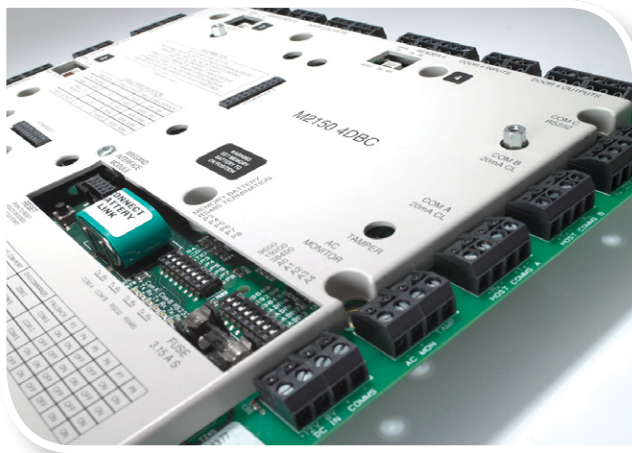
- Ease of use
- Flexibility
- Scalability
- Open architecture
- Modularity

## SYMMETRY SECURITY MANAGEMENT SOFTWARE – STANDARD FEATURES

- Access Control
- Video Management (from v7.0)
- Identity Management
- Alarm Management
- Visitor Management
- Graphic Maps
- Command & Control
- Badge Designer
- Advanced Tools
- Management Reports

## OTHER OPTIONAL MANAGEMENT MODULES

- Threat Level Manager
- Intrusion Detection (from v7.0)
- Workflow Designer (from v7.0)
- Guard Patrol
- Safety Roll Call
- Data Connect - Import / Export
- XML Open Integration Module
- Web Access
- Intercom Management
- Directory Sync Manager
- Building Control Manager



## SYMMETRY MULTINODE RANGE OF CONTROLLERS

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

Online communication with the client PCs can be achieved using a LAN or direct RS232 link, or via dial-up modem for remote sites. Online access enables alarms monitoring, reporting and hardware control from any client PC.

The key design concept behind the Symmetry multiNODE hardware is modularity, which 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
- 104 Monitor Points
- 104 Auxiliary Outputs
- 250,000 Cardholders

The M2150 is available in a variety of models, supporting 20,000, 50,000, 100,000 and 250,000 cardholders to suit requirements.

## 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.
- Three separate options: Data Connect, XML Open Integration Module and Building Control
- Data Connect option enables card data to be imported and exported to third-party databases (e.g. human resources databases) and also allows events to be loaded from other systems
- Allows import/export to a Microsoft® SQL database
- Encryption prevents unauthorized data from being imported
- Selectable card data for export
- The Building Control BACnet interface provides support for integration with other building management systems



### 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 multiNODE 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.

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 800 SERIES CARD READERS

Symmetry 800 Series Card Readers employ the very latest proximity, contactless smart card and fingerprint reading technologies and enable the widest range of compatibility.

- Features wall switch, micro and keypad versions
- Available in a variety of colors and styles
- The S813 fingerprint reader is a cost-effective solution for high-security applications
- Provides compatibility with:
  - NXP MIFARE DESFire formatted cards
  - HID format proximity cards
  - US Government PIV, TWIC, FRAC & CAC-NG cards

### JAVELIN S884 CONTACTLESS SMART CARD READER

The Javelin S884 is a contactless smart card reader with LCD display and keypad designed for integrated access control and intrusion management.

- Four line, 20 character graphical display
- Programmable display through Symmetry software
- Tailored soft keys for intrusion management
- Secure, bi-directional, Pseudo-Random supervised MCLP communications
- Maximum read range of 3" (75mm)
- Integrated Door Pre-held warning buzzer
- Multi-tone audio sounder for access granted, denied and PIN prompt
- LCD for verification of card accepted or rejected
- PIN prompt and verification of command functions initiated through reader keypad
- Three colour LED alert status indication
- Backlight dim / turn off energy saving presets
- Removes the need for a separate intrusion keypad for SCIF applications

### 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

### THIRD-PARTY CARD READERS

- Supports third-party Wiegand readers
- Including hand, iris, face and fingerprint recognition



## SYMMETRY VIDEO MANAGEMENT

Symmetry Video Management is an innovative open video management platform for both analog and digital video. The platform supports the migration from analog to digital for any size organization.

Support is provided for video from market leading digital video recorders and network cameras.

## DVRS AND NETWORK CAMERAS

- 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
- Alarms Management including video loss alarms
- Graphical Maps with interactive video control
- Review stored video from DVR, 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



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