

SYMMETRY™

BUSINESS v8

Symmetry Business is an easy to use and cost effective access control system designed for smaller applications. The software is available in two versions: **Business 16** for organizations requiring up to 16 card readers and **Business 64** for larger applications where cost effectiveness is the driving requirement.

Symmetry Business uses the EN-IDBC and EN-2DBC Edge Network controllers. As an alternative Business 16 MI100 controller can be used for up to 1,000 card holders, and the Business 64 MI200 controller for up to 2,000 card holders. These intelligent controllers include many integrated features that minimize the total cost of system hardware for smaller applications.

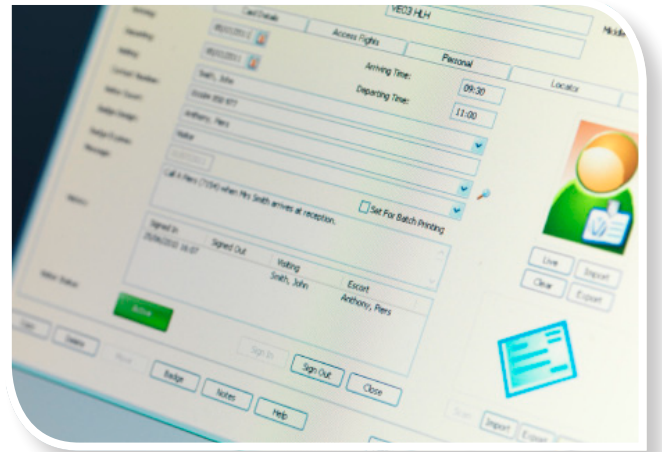
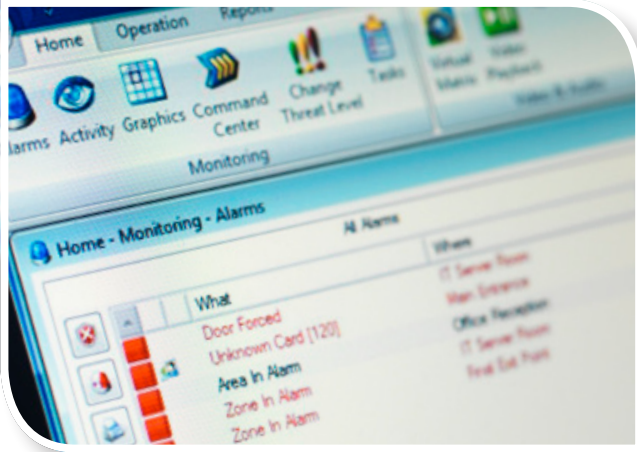
The Symmetry Business software can operate from a single PC, or from up to three PCs to enable tasks to be carried out from different locations. Since the system has been designed to use minimal bandwidth, an existing network can be used, resulting in little or no additional networking costs.

A wide range of card readers are supported, including smart card, biometric, proximity and magnetic stripe.

**Symmetry Business is only available in the U.S.A and Canada*

KEY FEATURES

- Competitively priced, automated access control solution, ideal for small to medium sized organizations
- Designed for up to 16 card readers with Business 16 and up to 64 card readers with Business 64
- Designed for up to 1,000 cardholders with Business 16 MI100 and up to 2,000 cardholders with Business 64 MI200
- Robust video capabilities for use with network cameras, video encoders and market leading DVRs.
- Supports the EN-2DBC two door controller
- Up to three PCs can be operated on a single system to enable use from different locations
- 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 a pleasure to use
- Supports Symmetry HD cameras
- Designed to minimize installation time and cost
- Easy to learn and operate
- Provides time-efficient software for tasks such as card administration, badging, reporting, visitor management and alarm monitoring
- Compatible with a wide range of reliable and high-performance card readers
- Employs an open architecture, giving the ability to import data from personnel or other databases



BUSINESS SOFTWARE

The Symmetry Business software provides the user interface and database for the Security Management System and makes it easy to perform day-to-day tasks such as adding new cardholders, producing badges, assigning access rights and producing reports.

Symmetry Business software is qualified for use under Microsoft® Windows® operating systems and provides a graphical user interface that minimizes training for users. The system employs the very latest in user-interface design, such as customizable ribbon bars, wizards, icons, tree views and drag-and-drop features making the user interface intuitive and a pleasure to use.

The ability to customize the system to show only those features that you 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.

KEY FEATURES - SOFTWARE

- Easy to use and up-to-date user interface
- Complete control of access rights to specify "who" is allowed to go "where" and "when"
- Easy card issuing and administration, including bulk amendments
- ID Badge Designer included at no additional cost for capturing cardholder images, designing badge layouts and badge printing
- Extensive reporting options
- Interactive alarms management included as standard
- Visitor management system for visitor registration and image capture included as standard
- Graphical maps for alarms management and manual control of doors, cameras, etc.
- Biometric options for capturing of fingerprints
- Context-sensitive online help

SYMMETRY BUSINESS VIDEO MANAGEMENT

The Video Management module is an open video management platform for digital video. The Video Management module provides powerful options for live video management and the centralized storage of video from the video encoders and network cameras. Symmetry Business Video Management software is the ideal solution for applications requiring integration of access control and video images.

BUSINESS SOFTWARE - OPTIONAL MODULES

The Symmetry Business's comprehensive and powerful range of fully-integrated optional software modules are designed to meet specific application requirements. Optional modules include:

- **Smart Card Management**
Encodes smart cards such as the NXP® MIFARE® (including optional biometric data)
- **Data Connect - Import/Export**
Enables cardholder details to be exchanged between the Symmetry database and other (e.g. personnel) databases
- **Web Access**
Allows card administration and other tasks to be carried out from a Web browser

BUSINESS RANGE OF CONTROLLERS

The Business range of controllers provides distributed processing for access control. The range includes the Business 16 M1100 (1,000 cardholders) and Business 64 M1200 (2,000 cardholder), each available in a two-reader or four-reader version. Each controller is housed in its own hinged-lid lockable cabinet, fitted with a tamper switch and power-on indicator.

The controllers include several cost-saving features, such as on-board auxiliary relays and monitor point inputs, and an integrated RS232 port for PC communication.

The Business 16 / 64 panels incorporate flash memory, which enables enhancements to be downloaded from a PC, simplifying upgrades and minimizing installation time. As an alternative, the EN-1DBC or EN-2DBC controllers can be used. These controllers support Power Over Ethernet.

SPECIFICATIONS

Dimensions

- Controller: 18.7" h (476mm) X 15.1" w (384mm) X 3.5" d (88mm)
- RIM (Remote Interface Module): 8.3" h (210mm) X 10" w (255mm) X 3.5" d (90mm)
- WIU (Wiegand Interface Unit): 6.7" h (170mm) X 4.8" w (123mm) X 1.7" d (43mm)

Controller Operating Environment

- 14°F to 131°F (-10°C to +55°C)
- 15% to 90% humidity, non-condensing
- All equipment is for indoor use only, except card readers whose specifications state otherwise

ELECTRICAL

Controller

- 18VAC input: 75VA maximum
- 12VDC maximum input current: 3A

Current available for all card readers, door locks, WIUs and powered auxiliary outputs

- 2-reader controller: nominally 1910mA
- 4-reader controller: nominally 1790mA

Door-release/auxiliary/bypass relays

- rated at 28VDC, 3A maximum

Reader outputs

- 12.5VDC

Remote Interface Module (RIM)

- 18VAC input: 50VA maximum

Current available for door lock

- 1A at 12VDC

CONTROLLER STORAGE CAPACITIES

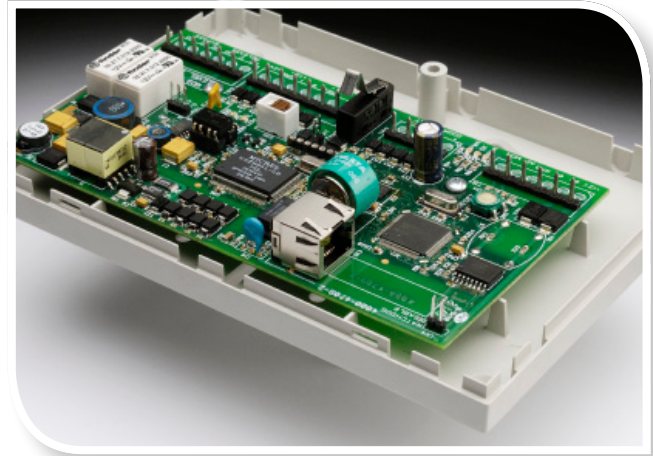
- Cardholder records: 1000 (Business 16 M1100) or 2000 (Business 64 M1200)
- Offline stored events: 6,500
- Timed commands: 256
- Conditional commands: 99

Controller Inputs/Outputs:

	Two Reader	Four Reader
Reader ports	2	4
Door release relay outputs	2	4
Door monitor inputs	2	4
Exit request inputs	2	4
Monitor point inputs	4	4
Auxiliary/bypass outputs	2	4
RS 232 ports	1	1

WIRING DISTANCES

- Please see installation manual for details on distances



PURCHASING INFORMATION

SYMMETRY Business Edition Software

- BUSINESS-16-V8.x
- BUSINESS-64-V8.x
- BUSINESS-CLIENT-V8.x

SYMMETRY Business Access Control Proximity Packages

- SBE-PROX2-PACK
- SBE-PROX4-PACK

SYMMETRY Business Access Control Panels

- EN-IDBC
- EN-2DBC
- M1100/2/A-KIT
- M1100/4/A-KIT
- M1200/2/A-KIT
- M1200/4/A-KIT
- WIU

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sales@amag.com
www.amag.com