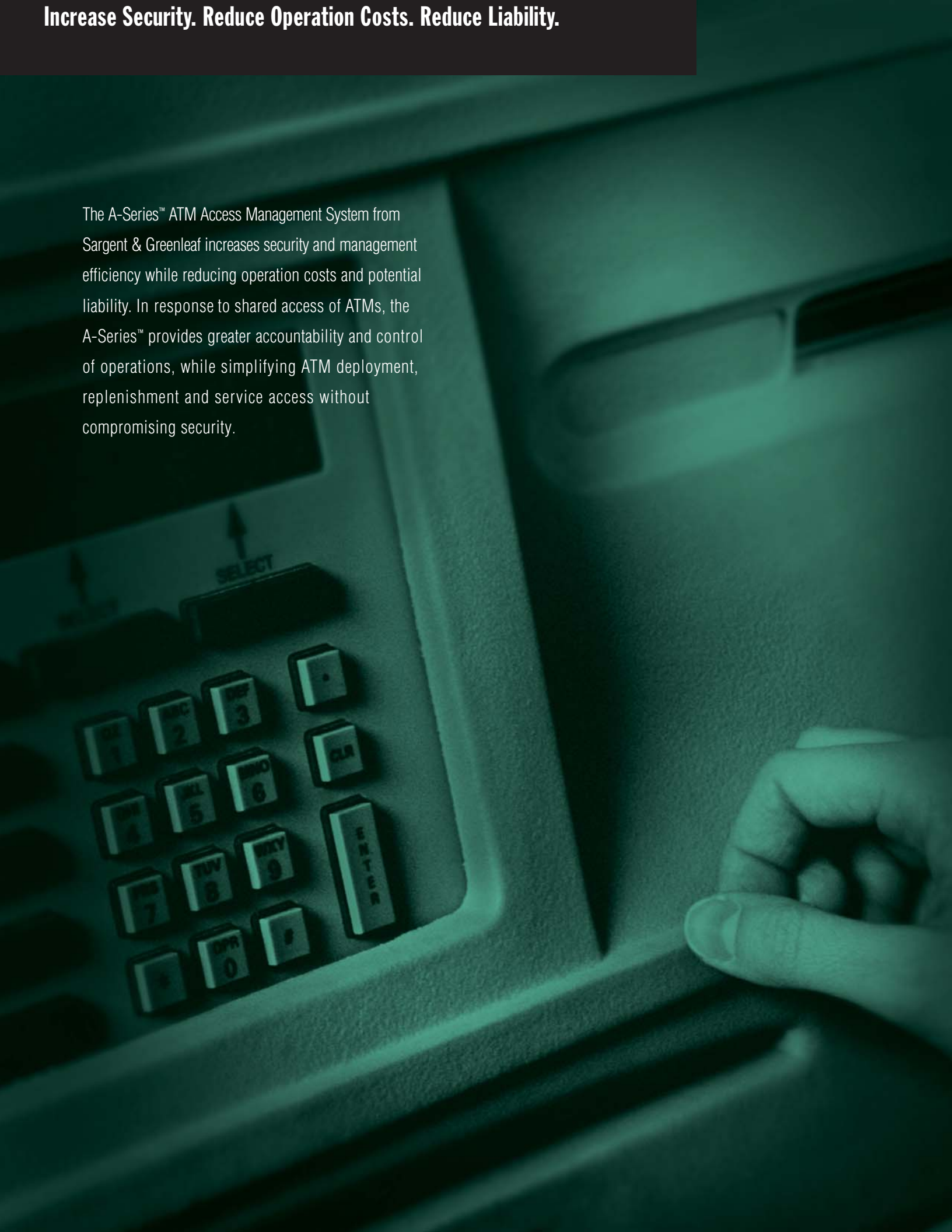




Increase Security. Reduce Operation Costs. Reduce Liability.

The A-Series™ ATM Access Management System from Sargent & Greenleaf increases security and management efficiency while reducing operation costs and potential liability. In response to shared access of ATMs, the A-Series™ provides greater accountability and control of operations, while simplifying ATM deployment, replenishment and service access without compromising security.



Introducing the A-Series™. The intelligent solution to shared ATM access.

Improved One-Time-Use Codes

To ensure greater security, the A-Series™ One-Time-Use operation codes are time- and date-based and expire if not utilized—an industry first! This **eliminates out-of-sync combinations** and close codes without compromising security.

More Precise Audit Trail

To ensure higher accountability, the A-Series™ Audit Trail is more detailed, accurate and specific than any in the industry. And the time/date/duration records are **not susceptible to time drift** and other external variables.

Greater Operational Efficiency

No need to coordinate costly vendor meetings!

The A-Series™ ATM Access Management System utilizes efficient and secure file transfers to facilitate ATM access authorizations. No need for “super-shelving” provides greater control of subcontractor access.

Fast and Easy Retrofit

A-Series™ locks are easier to retrofit onto existing ATMs because there are **no spindles to cut**. A-Series™ locks can also integrate into other existing cash vault safes quickly and easily.



Higher Operation Mode Flexibility

Two independent “modes” of operation, Bank Mode and Service Mode, provide greater security, flexibility and efficiency. Open system architecture allows for multiple service mode subcontractors. **Bank Mode included in standard configuration**. Service Mode is initialized easily, without opening the ATM.

Higher Operation Mode Flexibility

The standard A-Series™ lock features two independent “modes” of operation, Bank Mode and Service Mode.

Bank Mode

For in-branch applications, the Bank Mode is the default operation mode of the A-Series™ lock and provides bank management with greater control of access and security.

- Dual control or Manager/Employee modes available
- Time delay from 0 to 99 minutes
- 16 PIN positions available (2 Officer, 4 Admin, 10 User)
- Touch Key only required for audit download

Service Mode

Once the lock is initialized for Service Mode of operation, the Lock Management System provides service management with greater control of access and security.

A 4-digit PIN and Touch Key are assigned to each system user and will remain with that individual. Access and other operations are granted through the generation and issuance of unique One-Time-Use operation codes that are controlled by time, date and time window.

Microsoft PC Windows-based Lock Management

System software:

- Identifies system users
- Initializes Touch Key
- Creates One-Time-Use operation codes to perform multiple functions at the lock
- Audits all activities

The Service Mode's Lock Management System can define a time window for access. The user's Touch Key is disabled when the lock is opened. Once the lock is properly secured, the user's Touch Key is enabled for the next operation. Failure to properly secure the lock disables that user's Touch Key and future operations require Lock Management System intervention.

Improved One-Time-Use Codes

The A-Series™ One-Time-Use operation code has been specifically designed to greatly reduce liability and increase accountability for all parties sharing access to an ATM.

A 4-digit PIN and Touch Key are assigned to each system user and remain with that individual. Access and other operations are granted through the generation and issuance of a unique One-Time-Use operation code. For every system ATM and lock, any number of One-Time-Use operation codes can be active in the field at any given time, and no code will affect the validity of another code.

With the A-Series™ lock, the Lock Management System generates a code for a specific action to be taken by an approved individual at an approved time and date. Other systems are limited to assigning an individual and an action. With the A-Series™ lock, you have more control. You set the date and the time. The approved action must be completed during this specific time window or the **code will automatically expire if not used.**



Microsoft PC Windows-based Lock Management System software is easy to use and operate.



The A-Series™ Lock key remains in place—it does not need to be held by the user. It maintains constant contact so that there are no errors or failed attempts to read the key.

Easy Installation and Integration

The Sargent & Greenleaf A-Series™ lock allows direct retrofit to most models of ATMs or safes. Installation is quick and easy—there is no spindle to cut.

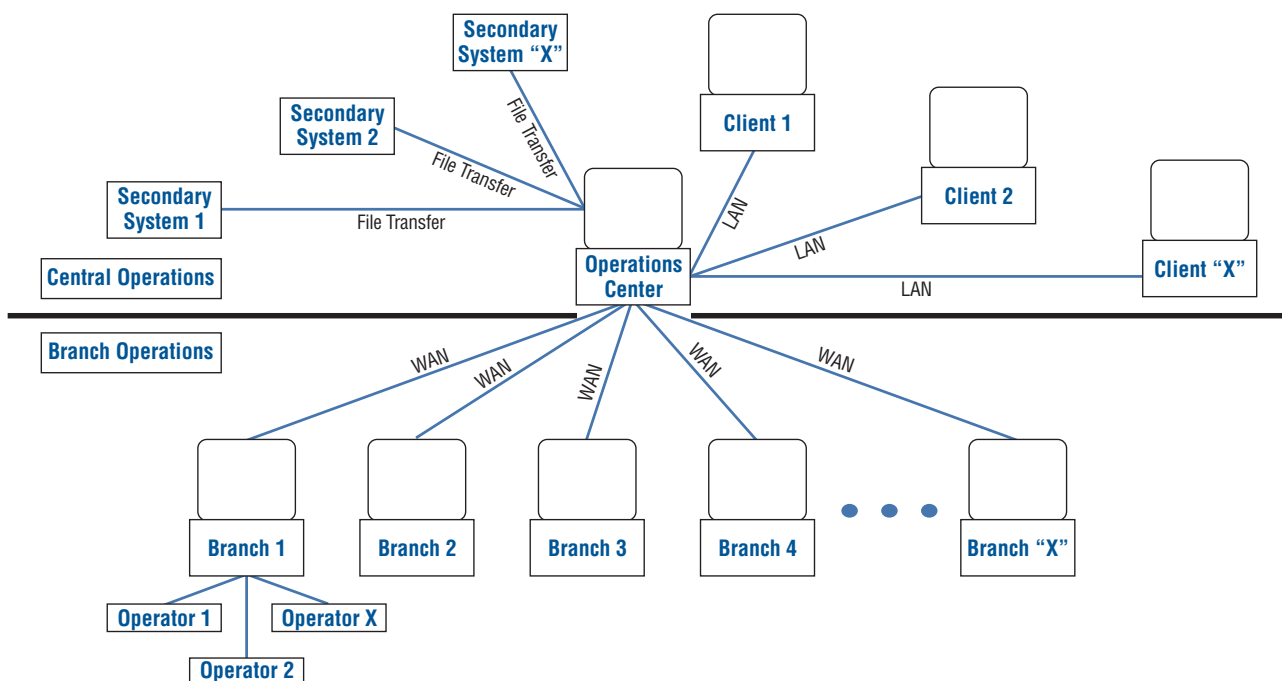
The versatile A-Series™ Lock Management System PC-based

software application operates under Windows '98, ME, NT 2000, and XP and is LAN & WAN capable. The program utilizes the Microsoft SQL database engine and the Microsoft SQL Server for network applications.

System architecture allows for the integration of the code generation module into large-scale customer platforms utilizing S&G's **LINK** system integration software. The system is virtually unlimited in the number of ATMs, A-Series™ locks and users that can be managed together. And any A-Series™ locks can be easily transferred to and from Service Mode without requiring access inside the ATM or the need for skilled technicians. For environments containing other ATM lock technologies, S&G's **RMS** software allows A-Series™ to be integrated quickly and easily.

Expansion modules are also available for remote power, alarm/CCTV integration and multi-lock applications such as depositories and cassette locking systems. Whatever your needs, our integration team will work with you to provide a seamless application within your existing operations architecture.

Overview of Client-Server Configuration for Network Installation



NOTES:

1. The client stations connect to the database on the server using a standard ODBC connection.
2. Each branch will have its own set of operators.
3. All client stations must have the LMS program installed (not the database).
4. In a network installation, there is only one database and it is stored at the server.

The A-SERIES™ lock. The ideal option when upgrading from a mechanical system.

Greater Operational Efficiency

The A-Series™ ATM Access Management System makes operation easy to understand. Simplified deployment and efficient access management technology help streamline the process of accomplishing specific jobs. Service contracts can be initiated and enforced in a time-efficient manner, without the need for costly on-site vendor meetings.

Lost key rings and codebooks are also a thing of the past. Service providers can efficiently share access control and responsibility for thousands of ATMs on an individual and/or route basis. ATM security, replenishment and service can work together in one shared environment with greater efficiency than ever before.

More Precise Audit Trail

Through enhanced technology, the A-Series™ detailed audit trail provides a higher level of accountability for every individual with access to an ATM. This comprehensive audit trail provides detailed time/date/duration information for all A-Series™ lock and system programming, and access operations. The audit trail provides information for each operator, Touch Key, lock and ATM. Every interaction with an ATM will be recorded! And loss of power will not affect the stored audit trail. Plus, the audit trail can be downloaded from any A-Series™ lock or Touch Key to the Lock Management System for review.



Audit data may be downloaded from an A-Series™ lock into a Touch Key and transported back to the Management System for review.

Stores 400 most recent events:

- Operation requested
- Result
- Touch Key # or Bank User ID
- Time/Date
- Duration

The A-Series™ Access Management System was designed to drastically improve ATM processes and provide complete control. The benefits of the A-Series™ over mechanical systems include:

Lower Security Operational Costs

- No combo changes
- No lost key rings and combo books
- Reduced internal losses

Enhanced Productivity

- Provides management more information on user efficiency

Increased Security

- Enhanced physical security
- Infinite operation codes possible
- No fixed combinations that are known by all users

Lower Risk of Fraud

- Provides audit information on all lock activity
- Establishes accountability between independent users
- Increases management control over access to assets

Technology Integration

- Integrates into existing ATM management systems
- Fits into existing operational processes for users (Security and Logistical)

A-SERIES™ Lock Composition

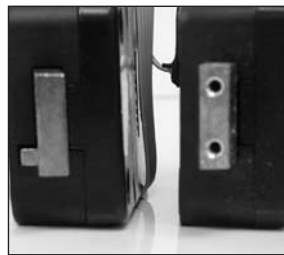
A-SERIES™ Model 6128

- Ideal for ATM applications
- Sufficient for protection of safes with boltwork blocking design
- Features mechanically dead-latching bolt
- Features an additional “secure” loop for addition of door switches or other security devices
- Available with and without bolt position indicator

A-SERIES™ Model 6129

- Ideal for Vault applications
- Sufficient for applications involving extended boltwork or additional linkage
- Features push/pull motor
- Features an additional “secure” loop for addition of door switches or other security devices
- Available with and without bolt position indicator

Bolt Style



6128 Model

6129 Model



Listed Type 1



Software Package and Accessories

Service Mode System Package includes:

- 1 A-Series™ Software CD with License
- 1 Software Manual Binder with CD holder, inserts and tabs
- 1 6128 Installation Instructions
- 1 Program & Operation Guide
- 1 6129 Installation Instructions
- 1 Program & Operations Guide—Bank Mode
- 1 DSC Reader with Serial Interface
- 1 Supervisor Key—blue fob
- 1 System Key—green fob
- 1 Operator Key—yellow fob
- 5 Manager Keys—red fob
- 5 User Keys—black fob

Bank Mode System Package includes:

- 1 Bank Mode Audit Software
- 1 DSC Reader with Serial Interface
- 1 Audit Key—red fob

A Series Touch Key Kit includes:

- 5 Manager Keys—red fob
- 5 User Keys—black fob
- 1 Operator Key—yellow fob
- 1 Supervisor Key—blue fob

Link Software includes:

- 1 Link Software CD
- 1 System Key—green fob
- 1 Link Installation and Operations Guide

RMS Software includes:

- 1 RMS Software CD
- 1 RMS Installation and Operations Guide

PRODUCT SPECIFICATIONS

Access Control

User Authentication	Service Mode—8-digit operation code and 4-digit pin (user defined) and touchkey Bank Mode—6-digit combination and 2-digit pin position
One Time Combination	Yes
User Defined Combinations	Yes
Wrong Combo Penalty	Yes
Central Control	Yes (with LMS software)
Audit Trail	Lock—400 events (most recent), Open and Close constitutes 1 event, "User" Touchkey—100 events, "Manager" Touchkey—38 events
Audit Reports	Via LMS software, or via Bank Mode Audit Trail Software
Operating Modes	3 (Bank Mode, Service Mode, Bank and Service Mode)
Time Windows by User	Yes

Alarm Interface

Duress Combination	Yes (Bank Mode and Service Mode)
Alarm Shunt	Yes
Bolt Status	Yes

Agency Approvals

U.L. – Type 1 (USA)
VdS – Class 2 (Germany)
CEN-ENV 1300 (Europe)

Environmental

Operating Temperature	0°C to 60°C @ 90% RH
Humidity	Up to 95% RH
ESD	5kV to 15kV (UL Standard)
Endurance	25,000 operations
Vibration	3-axis, 10-150MHz, 1G acceleration, 3 oct/min (per IEC 68-2-2)
Shock	50 G (per IEC 68-2-27)
Mechanical Attack	30 minutes (per ULC)

MECHANICAL & ELECTRICAL SPECIFICATIONS

Mechanical

Keypad	1.44" H x 4" D
Lock Body	3.32" L x 2.4" W x 1.1" H
Keypad	12-button sealed w/ tactile feedback
Display	LED response light for keypad input—3 color-coded status indicators for lock function

Electrical

Power	2 – 9V batteries (Duracell recommended), AC hardware adapter (optional) Battery life under normal operations - 2 years
Touchkey	8K-bit & 64K-bit (DS1995 & DS 1996) read-write memory, multi-stage encrypted, internal 10-year lithium battery, mounted in a stainless steel case.

SOFTWARE SPECIFICATIONS

Lock Management System Software

Operating System	Server or Standalone Application— Windows NT 4.0, Windows 2000, or Windows XP Client Application—Windows 98SE, Windows ME, Windows 2000, NT 4.0, or XP
Qty Locks Controlled	Limited only by available Hard Disk Space
Qty Users Managed	Limited only by available Hard Disk Space
Qty of Audit Events	Unlimited when properly archived
Multi-Level Access	Yes
Audit Reports	Yes
Lock Status Reports	Yes
User Reports	Yes

Lock Management System Software (cont.)

Minimum PC Requirements	
Server or Standalone Application	Pentium processor 300 MHz or higher, 256 MB of RAM, up to 150 MB of free disk space, mouse, serial communications port, 8X CD-Rom Drive (or faster)
Client Application	Pentium processor 300 MHz or higher 128 MB of RAM, up to 50 MB of free disk space, mouse, serial communications port 8X CD-Rom Drive (or faster)

Bank Mode Audit Trail Software

Operating System	Server or Standalone Application—Windows XP, 2000, or NT 4.0
Qty Users Managed	Limited only by available Hard Disk Space
Qty of Audit Events	Unlimited when properly archived
Audit Reports	Yes
Minimum PC Requirements	
Server or Standalone Application	Pentium processor 300 MHz or higher, 256 MB of RAM, up to 150 MB of free disk space, mouse, serial communications port, 8X CD-Rom Drive (or faster)

Link Software

Operating System	Windows 98SE, Windows ME, Windows 2000, N.T. 4.0 or XP
Special Considerations	Contact factory
Minimum PC Requirements	Pentium processor 300 MHz or higher, 128 MB of RAM, up to 150 MB of free disk space, mouse, 8X CD-Rom drive (or faster)

RMS Software

Operating System	Windows 98SE, Windows ME, Windows 2000, N.T. 4.0 or XP
Minimum PC Requirements	Pentium processor 300 MHz or higher, 128 MB of RAM, up to 150 MB of free disk space, mouse, 8X CD-Rom drive (or faster)

OPTIONAL MODULES

Remote Enable Module with Duress

Model 6102-030	Receives duress signal from locks and relays signal to police or alarm company. Remotely controls access to lock via alarm company or other third party. Lock-to-module and keypad-to-module connections are made easily with supplied cable. Terminal strip connections for alarm company. No external power supply required to operate module.
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VDS Blocking Module

Model 6102-020	Designed to be used with an alarm system, the Model 6102-020 provides one point for all alarm connections. Allows for remote enabling/disabling of lock, duress silent alarm, bolt position indication, and connections for door and boltwork switches. All connections made at the module's terminal strip. Requires 12V DC power supply from alarm system to power module, which in turn supplies 9V DC to the Comptronic lock.
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Duress Module

Model 6102-010	Receives duress signal from locks and relays signal to police or alarm company. Lock-to-module and keypad-to-module connections are made easily with supplied cable. Terminal strip connections for alarm company connection. No external power supply required to operate module.
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