



MONITOR DYNAMICS

Corporate Overview

Since 1979, Monitor Dynamics has been the leading manufacturer of unified security systems management (software and hardware) solutions for government and commercial organizations across the globe. Monitor Dynamics delivers unified access control, intrusion detection and video management with approved identity management solutions that provide the highest levels of security, risk reduction and critical asset protection available. The SAFEnet open architecture platform empowers organizations to manage their security systems, video surveillance and facility operation equipment from a single, centralized command and control management console. Monitor Dynamics currently maintains several thousand unified security installations for blue-chip organizations worldwide - supporting various industry segments.



A cross section of customers include:

- US Department of Justice
- Los Angeles Air Force Base
- US Bureau of Engraving and Printing (BEP)
- San Diego Unified School District
- Transportation Security Administration (TSA)
- Raytheon
- General Dynamics
- Bank of China
- Sigma Aldrich Chemical Company (Global)
- Massachusetts Institute of Technology (MIT)
- United States Marines
- United States Army
- United States Navy
- United States Coast Guard
- Arizona Supreme Court
- State of Arizona Administrative Offices
- Air Force Academy
- General Service Administration (GSA)
- San Francisco Airport
- PepsiCo
- Atlantis Casino and Resort (Bahamas)
- Government of the Bahamas
- Smith and Wesson
- United State Army Reserve Command (USARC)
- US Food and Drug Administration (FDA)
- Ronald Reagan Building and International Trade Center (Washington, DC)
- Hanscom Air Force Base
- CB Patrol Custom Border
- Mars Chocolate

Quality Customer Service

Monitor Dynamics is dedicated to providing the highest level of response and support for customer orders, repairs, inventory availability and advance replacement services. With Monitor Dynamics, all of your security products are ordered, processed and shipped from one central location.

MDI Security Systems LLC
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True Unification of Attached Resources

The benefits of Unification over Integration are many. True Unification allows complete collaborative and actionable views of the entire security picture for the fastest situational analysis and response. It allows automated response and management by exception for a solution that requires a fraction of the staff normally needed to monitor security. True Unification allows the system to accommodate leap step technology advances that would require completely new version releases and potentially complete rewrites to address in other solutions. SAFEnet allows the fastest, most cost efficient development of assets needed to unify the full spectrum of data and commands from any attached resource.

Fastest Development of New Capabilities

SAFEnet use of modular add-ons to implement functionality allows development of new capabilities through discrete modules. This flexible framework architecture greatly diminishes the impact of new development on the rest of the system, reducing time and cost of development, testing and implementation. This also allows any newly developed module to be made available to every other SAFEnet client. What takes months or years and tremendous cost to develop in other solutions in the industry takes days or weeks to develop within the SAFEnet platform and can be accomplished at a fraction of the cost.

Unprecedented Flexibility

SAFEnet facilitates nearly every aspect of security and facility management through modular add-ons which rest on top of a flexible framework architecture. SAFEnet allows modular addition of Graphic User Interfaces, functionality, logic, data, and data driven device drivers. The result of this architecture is unprecedented flexibility, scalability and agility both to customize the solution set at install, for the individual user, or for additions in the future. No other solution on the market today is as flexible or agile.

Capacity to Meet Security Needs Well into the Future

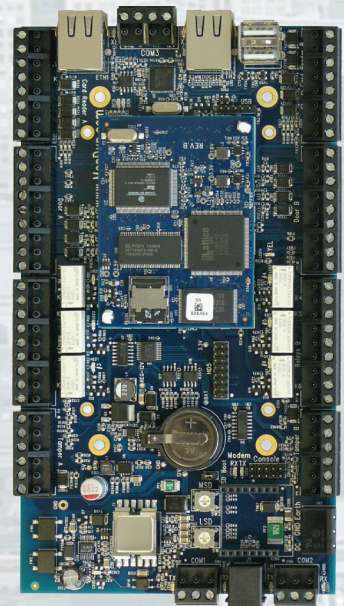
If a command and control solution can not meet your needs five years from now, it doesn't make sense to implement it. SAFEnet is designed to allow rapid custom development of discrete add-on modules to accommodate literally anything required. It was designed specifically to allow Monitor Dynamics or the client to evolve the solution to any need, even ones we could not predict.

Modular functionality makes this possible. The core framework architecture need not change to realize incremental growth of functionality. It is the only PACS solution that provides this kind of growth potential.

Unified Access Intrusion & Video

SAFEnet is a patented open architecture, flexible framework security command and control operating system that is a generation beyond current integrated solutions. It overcomes the limitations of current industry offerings by providing:

- Unprecedented Flexibility to Customize and Scale the Solution
- True Unification of Attached Resources
- A Single Environment, A Complete Solution
- The Fastest, Most Cost Efficient Development of New Capabilities
- Capacity to Meet Security Needs

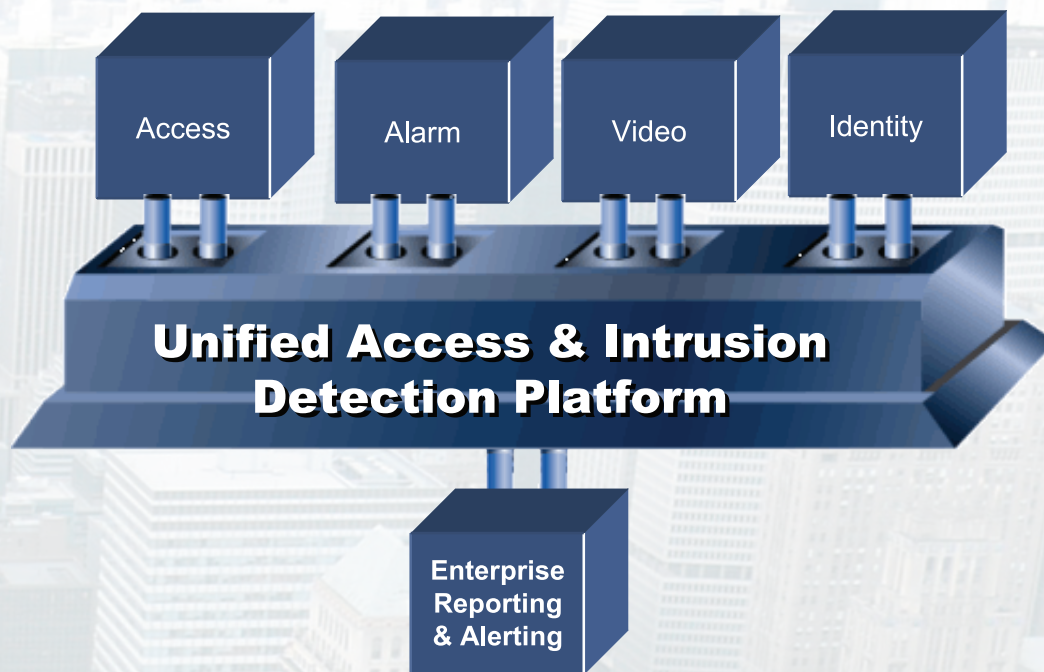


MONITOR DYNAMICS

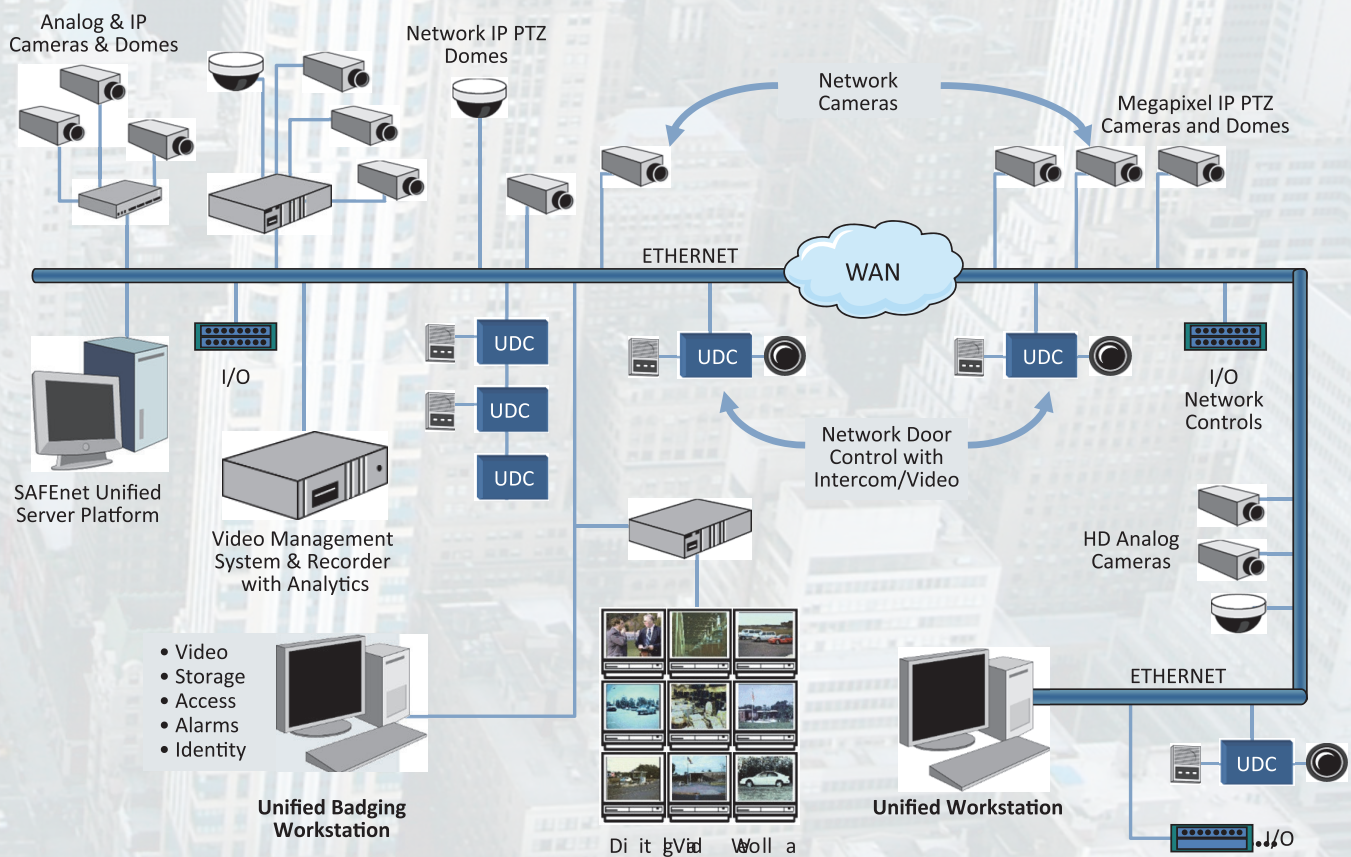
SAFEnet®

MADE IN AMERICA





SAFEnet delivers the most feature rich side by side access control and intrusion detection hybrid solution in the industry. Add video surveillance for enterprise unified command and control security management capabilities.



SAFEnet®

Full-Spectrum Unified Security Solutions

Unified Solution Modules

SAFEnet uses modular add-ons for nearly every aspect of its functionality. These modules are licensed as functional solution sets. This eliminates the need for separate executables to manage each area of the security solution. Where traditional command and control solutions require purchase of multiple software packages with separate executables for complete management of your security resources, SAFEnet provides an all-inclusive environment with everything required to manage, control and administer your global security program.

A single license of the Enterprise Functionality Set for SAFEnet includes:

- Multi-Server, Centralized, Distributed Monitor and Control
- Video Surveillance Management
- Access Control
- Definable Zone Types
- Arming Control
- Multiple Access Account
- Shifts / Accounts
- Schedules / Account
- Segregated Database
- Two-man Access Control
- Video Badging
- User Definable Cardholder Data Entry Screen Layout
- Call Up Cameras from Map
- Enhanced Local Network Control
- User Configurable Event Queues
- User Configurable Event Kinds Messages
- Test Mode Editor
- User Configurable Program and Map Tree Icons
- User Configurable Map Icons
- Message Vectoring
- User Configurable Disposition Entries
- User Configurable Operator Profiles
- User Configurable Reports
- Guard Tour
- Elevator Control
- Quick View Dossier on Cardholder Data - Including Photo
- Command Files
- Account Supervision Scheduling
- Command File Scheduling
- Global Linkage Capability
- Local Linkage Support
- Action List Support
- Alarm Acknowledgement
- Dispatch Files
- Individual Arming Code Controls
- Subscribers Lists
- SCIF Support
- Remote Workstation Two-person Account Command Control
- Two Man Arming with Smart Keypads
- On-screen Journal, Logs and Recent Events Detail
- Remote Workstation Lockout
- Remote Workstation Shutdown
- Deadman polling and auto-shutdown and redirect of monitoring and control
- Popup Video on Event
- Popup Photo on Access Control Event - (photo verification)
- Multi-site Event Status
- Intelligent Video Support
- 3D Video Motion Detection Support
- Intrusion / Alarm Management
- Full Biometrics Support
- Access Control Administration
- Complete Credential Support - Badge Designer, Imaging, more
- Centralized Multi-Site Monitoring and Control
- Advance Custom Report Generation
- Anti-pass-back
- Graphical Map Interface
- Complete Audit Trails
- Multilanguage Support
- Support for all ID Card / Reader / Printer Technologies
- Centralized / Distributed User Enrollment

Reduced Cost of Installation

Unified Technology dramatically reduces the cost to attach new resources to the system and eliminates the surprises inherent in other PACS solutions when supposedly integrated devices require integration at install. Single solution license eliminates the additional or surprise licensing requirements to facilitate a complete solution. Single environment solution allows the installation staff to focus on a single technology without managing the potential conflicts between the various separate executables.

Reduced Cost of Maintenance

A Single Unified Command and Control Environment minimizes training required to monitor and maintain the solution. A single solution greatly reduces time required to troubleshoot errors and reduces potential for errors or conflicts.

Reduced Cost of Operation

Unified collaborative and actionable access to the full range of data and functionality of attached resources allows management by exception, automation and the fastest possible situational analysis and response. The security staff is able to focus on only those events that require their immediate intervention, significantly reducing staff requirements to monitor security while improving response times to critical events. With SAFEnet response to security events can happen in seconds rather than minutes. The efficiency of the system allows centralized monitoring of geographically disparate locations with a small staff. Monitor Dynamics delivers all necessary system training.

Reduced Cost to Upgrade

A Unified environment reduces potential software conflicts and testing required for upgrades. With separate solution executables from other vendors potential conflict between legacy and new version releases must be considered.

The framework architecture in SAFEnet separates the core solution from the individual functional elements at the code level. Addition of new functionality to the system may be made without customization or modification to the core. The result is a solution that may be freely added to or customized without potential conflict in upgrading to a new release.

Modular add-on architecture allows any new or custom functionality developed to be available to all SAFEnet clients, significantly reducing the cost of new development and accelerating the availability of new capabilities for all SAFEnet solutions.

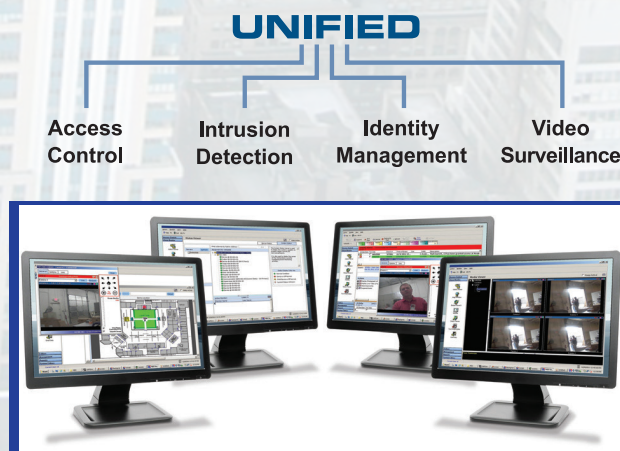
New development of custom functionality is accomplished through modular architecture, greatly reducing impact on the rest of the SAFEnet. The result is dramatically reduced cost to develop, test and implement.

Reduced Cost of Expansion

SAFEnet was built to scale. Any SAFEnet system may expand to multiple or even global facility security management, distributed, centralized or both without hardware or software replacement cost or conversion. SAFEnet does not force dependence on proprietary control hardware. If your current command and control solution uses Mercury control hardware, you can migrate to the SAFEnet without incurring hardware replacement cost.

A Unified Command & Control Platform that blends:

- Access Control
- Intrusion Detection
- Identity Compliance
- Video Surveillance



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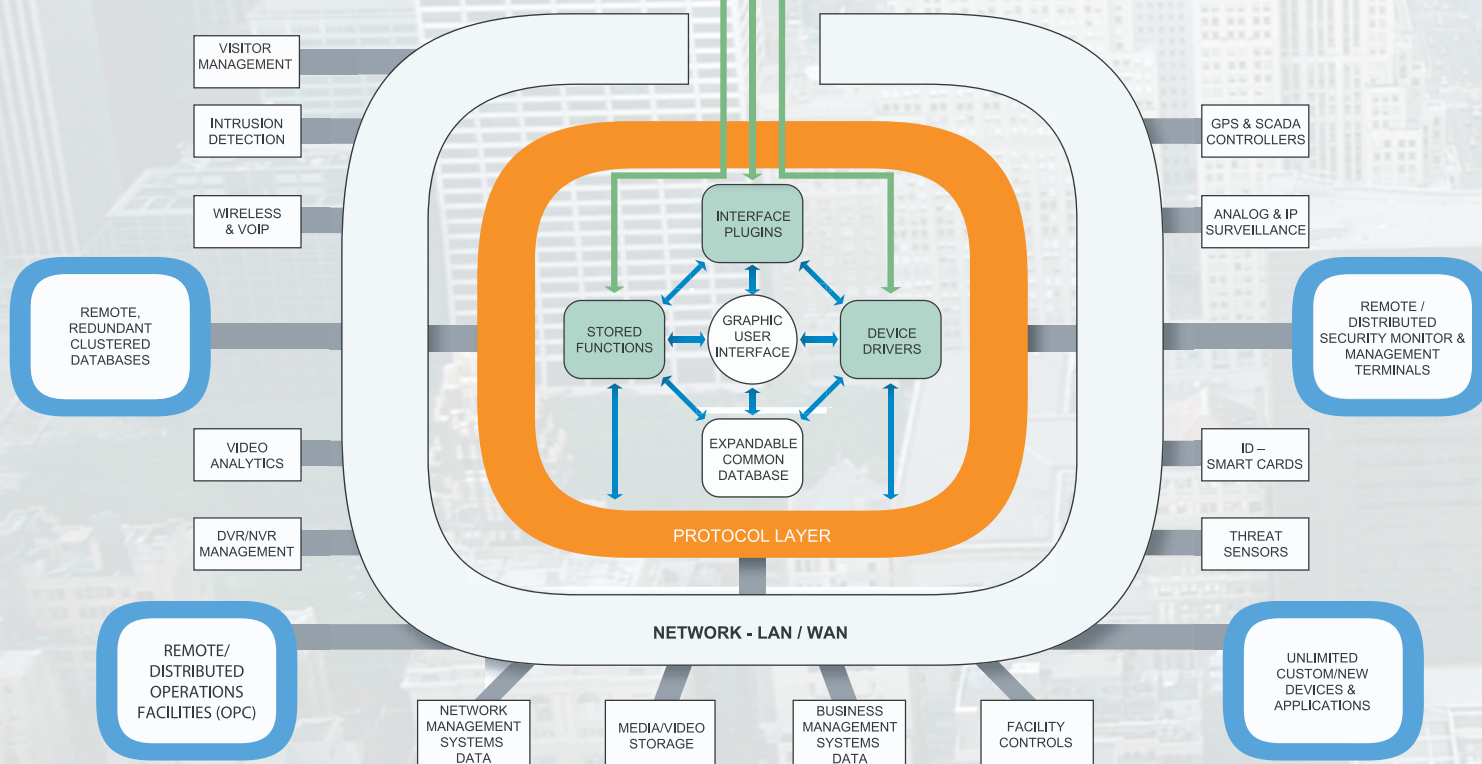


OPEN API	AUTO - ADAPTIVE DRIVER	
<ul style="list-style-type: none"> • Electronic Access Systems • Fire & Alarm Systems • Intercom & Emergency Broadcast Communication Systems • GPS & Mobile Systems • Perimeter Monitoring • Smart Cards/Biometrics • Reporting Applications 	<ul style="list-style-type: none"> • Legacy Systems Interoperability • Elevators & Visitor Management • Lighting & SCADA Controls • People Counting & Tracking • Power Management • Fuel Tanks & Generators • Global Anti-Passback • Email/Messaging/PDA 	<ul style="list-style-type: none"> • Deadman Monitoring • Server to Server Fail-Over • Complete Data Redundancy • Network Utilization Throttles • NIST Certified Encryption • Server Clustering • Multi-Language Localization • Any New Discrete Input/Output/Process



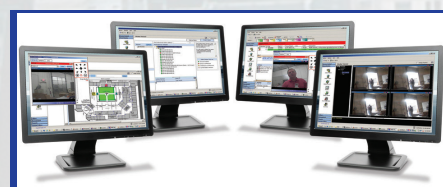
DYNAMIC MODULES
Pre-existing or developed utilizing the OPEN API and Auto-Adaptive Driver
Added to the system through the registration panel during runtime

Provide means to add completely new displays, functionality, device communication, or external application integration without ever shutting down the server.



UNIFIED

Access Control Intrusion Detection Identity Management Video Surveillance



Technical Specifications - SAFEnet Software

Unified Security Platform

The SAFEnet platform delivers a centralized unified security management solution for installations of all sizes. Individual applications can be unified into the platform as optional standalone modules or can be deployed as a customized unified end-to-end security solution. The SAFEnet platform seamlessly unifies all of the critical components necessary to manage and monitor multi-site facilities including access control, intrusion detection, identity management and video surveillance. The platform is built using a robust open architecture model that meets the performance demands of mission critical infrastructure applications running across multiple systems and locations.

Total Unification

SAFEnet unifies access control, intrusion detection, video surveillance and identity management into a unified management platform for centralized command, contain and control across the enterprise.

Ease of Use

SAFEnet software incorporates an easy-to-use graphical user interface (GUI) with simple point-and-click database editing and system monitoring controls.

Familiarity and Compatibility

SAFEnet utilizes the power and security of Microsoft® Windows® OS and Microsoft® SQL Server, providing complete SQL structures, functions and report generation. It offers the most flexible yet simple-to-use relational database features while providing standard ODBC interface capabilities for easy data importing and exporting with external third-party systems.

Designed for Large-scale Management

The Batch Editor enables users to make bulk database changes. It eliminates tedious and time consuming manual editing of large numbers of records without requiring the user to learn the SQL programming language.

Adjusts to Your Organization

The Card Editor allows custom unlimited customer card holder information to be added to the database; this enables the user to create their own display screens, incorporate user memo fields, format data, adjust font and color control and define drop boxes.

Accountability

The Badging System has a dossier feature used to display certain user information.

Scalability

The system can be configured to provide simple local access control and alarm monitoring, or it can be expanded to meet the high security needs of mission critical applications across the global enterprise.

SAFEnet can be configured for single-user or multi-user systems with full-featured operator workstations on commercially available LAN/WAN backbones.

The modular design and scalable architecture is configured for systems of all sizes and requirements.

SAFEnet is available in 4 different editions:

Business
Lite

Business

Corporate

Enterprise

Features:

- Access Control
- Intrusion Detection
- Video Surveillance
- Identity Management
- Highly modular design allows for future expansion
- Open architecture software platform
- Efficient communications system
- Multiple server capable
- Fault tolerant, reconnects to data sources after a connection failure without restarting
- User defined colors, icons, application title and logo
- Shared external libraries
- Highly object oriented design
- Inter-module communications, system wide event notifications
- The most feature-rich, side by side access control and intrusion detection hybrid system in the industry



1076 Alarm Systems
294 Access Control Systems

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Host Software Specifications

SAFEnet
Enterprise

SAFEnet
Corporate

SAFEnet
Business

SAFEnet
Business
Lite

Disaster
Recovery

Microsoft® Cluster	option	option	option	option
Disaster Recovery Workstation/Server	option	option	option	option
RAID Supported	option	option	option	option

Server/Client
Database

Multi-Server	standard	standard	standard	standard
MS SQL Enterprise	option	option	na	na
MS SQL	standard	standard	option	option
MSDE	na	na	standard	standard
Workstations	500	250	8	8

Field
Equipment
Capabilities

Max Readers/Per Server	4,096	512	128	64
Max Alarm Points/Per Server	49,000	49,000	49,000	49,000
Max Control Point/Per Server	49,000	49,000	49,000	49,000

Alarm Management

Definable Zone Types	standard	standard	standard	standard
Arming Control	standard	standard	standard	standard
Command Files	standard	standard	standard	standard
Account Supervision Scheduling	standard	standard	standard	standard
Command File Scheduling	standard	standard	standard	standard
Global Linkage Capability	standard	standard	standard	standard
Local Linkage Support	standard	standard	standard	standard
Action List Support	standard	standard	standard	standard
Alarm Acknowledgement	standard	standard	standard	standard
WAV Files / Message Category	standard	standard	standard	standard
Dispatch Files	standard	standard	standard	standard
Individual Arming Control Codes	standard	standard	standard	standard
Subscribers List	standard	standard	standard	standard
Keyswitch / Dumb Keypad Arming Support	standard	standard	standard	standard
Command Center Restriction Support for SCIFs	standard	standard	standard	standard
Remote Workstation Two-person control of accounts and commands	standard	standard	standard	standard
Two-Man Arming with Smart Keypads	standard	standard	standard	standard
On-screen journal log with operator comments and recent event details	standard	standard	standard	standard
Remote workstation lockout (protection against terrorist takeover or duress)	standard	standard	standard	standard
Remote workstation shutdown (turns off the application)	standard	standard	standard	standard
Popup video on event	standard	standard	standard	standard
Popup photo on access control event	standard	standard	standard	standard
Multi-site Event Status box	standard	standard	standard	standard
Dispatch Instructions	standard	standard	standard	standard
CCTV Switcher Interface	option	option	option	option

Unified Security Platform

		SAFEnet Enterprise	SAFEnet Corporate	SAFEnet Business	SAFEnet Business Lite
Access Control	Multiple Access Accounts	standard	standard	standard	standard
	Shifts / Account	16	16	16	16
	Classes / Account	unlimited	unlimited	unlimited	unlimited
	Schedules / Account	unlimited	unlimited	unlimited	unlimited
	Default Card Dbase Size	20,000	20,000	20,000	20,000
	System Reader Support	standard	standard	standard	standard
	Serial System Reader Support	standard	standard	standard	standard
	Segregated Dbase	standard	standard	standard	standard
	Two Man Access Control	standard	standard	standard	standard
	Video Badging	standard	standard	standard	standard
	User Definable Cardholder Data Entry Screen Layout	standard	standard	standard	standard
Video Surveillance	Map Integration for Camera Callup	standard	standard	standard	standard
	Cameras (with View Selection) linked to alarm points for auto callup on alarm	standard	standard	standard	standard
	Journal Entries linked to DMRS for video recall/replay on stored events	standard	standard	standard	standard
	Digital Camera Display on Analog Monitors	option	option	option	option
	Digital Video Services	option	option	option	option
	Enhanced Local Network Control	standard	standard	standard	standard
	User Configurable Event Queues	standard	standard	standard	standard
Additional Software Modules	User Configurable Event Kinds Messages	standard	standard	standard	standard
	User Configurable Display Themes	standard	standard	standard	standard
	Test Mode Editor	standard	standard	standard	standard
	Maps	standard	standard	standard	standard
	User Configurable program and map tree Icons	standard	standard	standard	standard
	User Configurable Map Icons	standard	standard	standard	standard
	Message Vectoring	standard	standard	standard	standard
	Key Assignments	standard	standard	standard	standard
	User Configurable Disposition Entries	standard	standard	standard	standard
	User Configurable Operator Profiles	standard	standard	standard	standard
	User Configurable Reports	standard	standard	standard	standard
	Guard Tour	option	option	option	option
	Elevator Control	option	option	option	option
	Quick View Dossier on cardholder data (includes photo)	standard	standard	standard	standard
	Visitor Management System	option	option	option	option

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Unified Digital Controller (UDC)

UDC Specifications

The UDC is designed for unified access control and intrusion detection applications. The UDC is the industry's first Power over Ethernet (PoE) IP-based digital controller. Powered by Monitor Dynamics' Technology, the UDC delivers simple plug and play installation utilizing PoE power and reducing overall installation cost and configuration time. The UDC empowers organizations with the processing capacity required for the largest enterprise-wide access and intrusion applications. The UDC is a dual-port Ethernet IP panel that transmits entry and exit data via high speed communications. Utilizing a Linux-based processor for stability, the UDC communicates to the head-end with complete fail-over, at rates exponentially faster than standard serial based communications.

As a scalable hardware device located at the edge of the network, the UDC comes with three downstream RS-485 communication ports that can be used to connect various combinations of field hardware, including additional UDC panels (up to 31 devices). As an enterprise-grade controller, the UDC scales to support 250,000 cardholders and 50,000 events - standard.

Unified Digital Controllers (UDC)

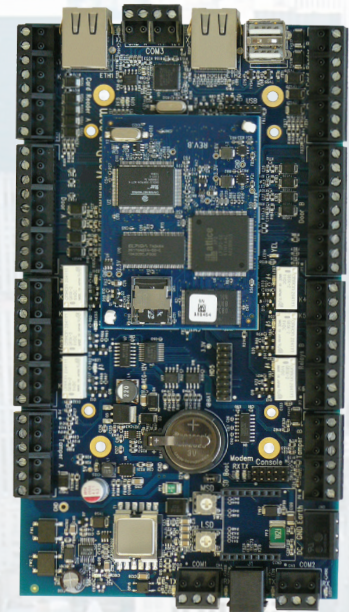
UDC can support up to a combination of 64 Card Readers, 500 Inputs and or 500 Output Points with the interfaced to additional UDDC/AZC/ORC controllers

4500/4720 Standard Features:

- 250/800/1056 MHz ARM Processor Options (Linux based)
- 256 - 512 MB DDR3 RAM Options
- 512MB /4GB Flash Memory Options
- 4GB-32GB SD Flash Memory Options
- Two (2) Ethernet Communication Ports
(2 Network IP Addresses/ MAC Addresses)
- Web Based Setup and Configuration (Local and Remote Diagnostics)
- Flash Updatable Firmware
- Supports up to 250,000 Card Holders
- Supports up to 50,000 Events in Buffer
- Two (2) Card readers. Each reader supports:
 - Door Strike Relay
 - Door Contact Input
 - Warning Relay
 - Request to Exit Input
- Two (2) Supervised Alarm Points
- Four (4) Unsupervised Alarm Points
- Two (2) Form C Relay Outputs
- Two (2) USB Ports for Future Audio/Video Support
- POE (Power over Ethernet) Compatibility
- UDC interfaced with additional UDDC/AZC/ORC/ACU and can Support up to combination of 64 Card Readers, 500 Inputs and or 500 Output Points

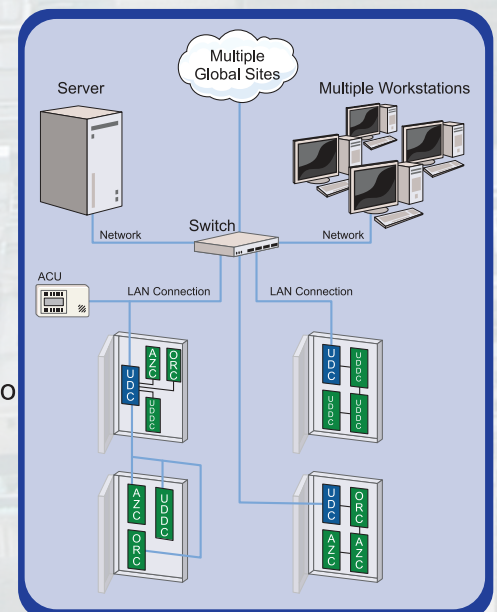
* Specifications are subject to change without notice.

** The number of cardholders and events can be increased exponentially and is limited only by processor speed, firmware and software version and size of SD Memory Card.



Features:

- Low cost and easy installation
- Full-featured and expandable as needed
- Intelligence at the edge of the network
- Remote internet configuration capability
- Lower overall price and total cost of ownership
- Seamless scalability to enterprise global command and control
- Works with all prior hardware lines on the SAFEnet platform
- Communicates via TCP/IP network to the command center
- Operates with or without host computer connectivity (stand alone)



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Unified Dual Door Controller (UDDC)

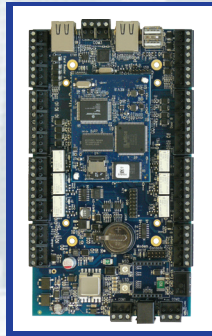
UDDC is a Two door intelligent controller with additional alarm and relay outputs

Standard Features:

- Two (2) Card readers. Each reader supports:
 - Door Strike Relay
 - Door Contact Input
 - Warning Relay
 - Request to Exit Input

Additional Features:

- Two (2) Supervised Alarm Points
- Four (4) Unsupervised Alarm Points
- Two (2) Form C Relay Outputs
- Alarm point types are user defined at the host and downloaded
- Each point can have a unique end of line resistance programmed.
- Stores 20,000 cards and 512 events
- Each reader supports user selected card rules downloaded from the host
- Supports shared door configuration
- All parameters and door times configured at the host and downloaded
- RS-232 Diagnostics port (use HyperTerminal)
- 2 Wire RS-485 comm allows local or remote installation up to 4000 feet from UDC controller

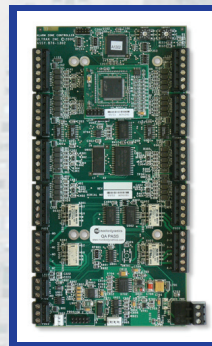


Alarm Zone Controller (AZC)

AZC is a Sixteen zone alarm input controller with Four additional relay outputs

Standard Features:

- 16 supervised inputs are provided for alarm devices
- An additional input provided for tamper
- 4 Form-C output relays are provided for local annunciation or other purposes
- Downloadable FLASH memory eliminates need to change EPROMs for application programming and system upgrades
- SDRAM memory stores 2000 events during any communication disruptions and forwards them when communication is restored
- AZC accepts a 6.0 - 16.0 Vdc power source
- 2 Wire RS-485 comm allows local or remote installation up to 4000 feet from UDC controller

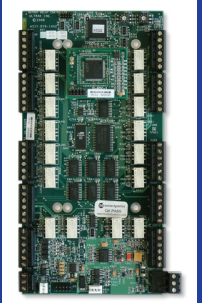


Output Relay Controller (ORC)

ORC is a Sixteen output relay controller

Standard Features:

- Provides 16 Form-C relay contact sets
- Supports downloadable FLASH MEMORY eliminating the need to change EPROMs for application programming and system upgrades
- ORC accepts a 6.0 - 16.0 Vdc power source
- 2 Wire RS-485 comm allows local or remote installation up to 4000 feet from UDC controller



Arming Control Unit (ACU-TS)

ACU-TS is a 7" Interactive Touchscreen arming display station

Standard Features:

- Seven Inch interactive LCD touchscreen display
- OPEN or CLOSE account with required security code
- Display Account Status: OPEN, CLOSED, ENTRY DELAY or EXIT DELAY
- Display Status for up to 64 zones in the account: SAFE, ACTIVE ALARM or FAULT, ACTIVE ALARM and MASKED, SAFE and MASKED
- Display ACTIVE ALARMS only (one at a time) with full descriptive text name
- Display MASKED ZONES only (one at a time) with full descriptive text name
- Display CURRENT TIME or REMAINING OPEN TIME (hh:mm:ss)
- ARM, DISARM, MASK, UNMASK individual alarm points, and FORCE CLOSE ACCOUNT with alarm points masked (requires entry of security code)
- Four different labeling methods: horizontal, vertical, rotational and rotational-PLUS
- 2 Wire RS-485 comm allows local or remote installation up to 4000 feet from UDC controller



Unified Security Platform

The SAFEnet platform delivers a centralized unified security management solution for installations of all sizes. Individual applications can be unified into the platform as optional standalone modules or can be deployed as a customized unified end-to-end security solution. The SAFEnet platform seamlessly unifies all of the critical components necessary to manage and monitor multi-site facilities including access control, intrusion detection, identity management and video surveillance. The platform is built using a robust open architecture model that meets the performance demands of mission critical infrastructure applications running across multiple systems and locations.

Advanced Security Systems Engineering

All products manufactured by Monitor Dynamics are designed by engineers with years of security domain knowledge. Monitor Dynamics' ALERT (Advanced Logic Engineering and Research) team understands the functional requirements of today's security system, alarm management, access control, video surveillance and identity management specifications for both corporate and government system users.

Training & Certification

Monitor Dynamics offers hands-on instruction for their security products. Monitor Dynamics' technical training and certification programs provide extensive instruction on the configuration of each component and the proper procedures for effective and efficient site installations. Security personnel who attend Monitor Dynamics' training courses become proficient in operating and administering Monitor Dynamics enterprise security systems.

Technical Support

Monitor Dynamics' expert Trusted Support team offers multiple levels of tiered support services geared at providing cost effective services that address each unique customer need. The Trusted Support team is equipped with the latest customer support management technology ensuring all e-mails and calls are directed.

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