

Millennium **ULTRA**

Software Guide

Millennium **Ultra** is our flagship state of the art web browser-capable access control platform designed with a highly scalable architecture capable of supporting one door, to thousands of doors across multiple locations. Millennium Ultra is flexible and customizable for any business environment, allowing for easy user access to complex functionality with our intuitive user interface. Our software supports all popular card and select bio-metric technologies to ensure the highest levels of compatibility and security.

Millennium Ultra software can be installed as a traditional server on site or hosted by Millennium Group. The flexibility sets it apart from the industry competition.

Millennium Ultra supports;

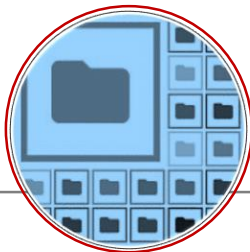
- Wireless lock integration with popular third-party hardware
- Conditional and unconditional lock-down via any system event
- Active directory login integration
- March Networks video system integration
- Embedded Photobadging implementation & design
- First user auto unlock
- Scheduling management
- Hardware status indicators
- Site management
- Personnel management
- Active Mapping with floor / building plan layouts
- Alternative scheduling
- Remote site communication via TCP/IP
- Easy server & client software installation
- Expandable database
- Event management
- Hardware management
- Partitioning
- Web interface
- Elevators
- Fire intrusion alarm
- Bio-entry readers
- Professional service agreements
- Phone hot commands
- Toggle



The Millennium Ultra system supports all system installations sizes and our technical support infrastructure provides quality & efficient assistance to support the demand of large enterprises via knowledgeable techs with 30+ years' of experience in the Access Control industry.



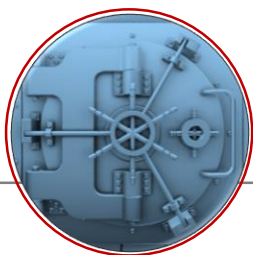
Wireless Lock Integration- Millennium Ultra access control system integrates with ASSA Abloy IN120, Allegion AD300/400, Salto, Vertilink for resorts and Ving Card.



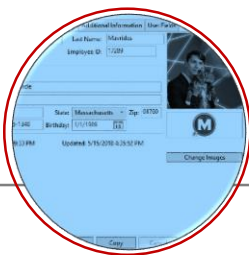
Active Directory- Millennium Ultra offers operator login accessibility using the network's active directory user list. The software allows for limitation of system user permissions and daily activities. The flexibility allows for advanced control and security by IT departments.



Multi-Threaded Communication- Millennium Ultra offers a superior communications structure that provides for simultaneous communications using an IP based site controller. It delivers efficient transfers of all updated software changes to our Millennium access control units and is able to download thousands of cardholders in a matter of minutes.



Conditional and Unconditional Lock-down- Millennium ultra permits full-scale conditional or unconditional facility lockdowns within seconds of notification by a client or any programmed software event, is able to trigger a hardware response on indication that a threat is imminent. This feature allows for full scale protection of facilities; especially delicate locations such as schools, law enforcement and hospitality facilities.



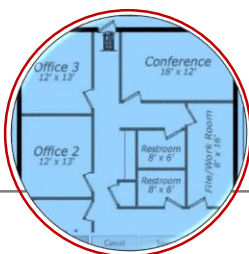
Embedded Photobadging- Millennium Ultra includes embedded photobadging to increase site security by allowing for the creation of custom badge layouts through a design interface for access card credentials. The software has the capacity to load images of personnel during the cardholder creation and the cardholder image can then be projected onto the software's event monitoring screen once the credential is read for easy identification.



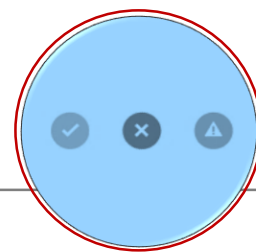
Video Integration – Millennium Ultra software features integration with major video security platforms. Ultra integrates with state of the art March Network and Aimetis Symphony video management software to provide you with a combination of superior access control security management and industry acclaimed video monitoring solutions. The integrations present with a clean and easy to use interface – seen directly through Ultra.



Scheduling Management- The Millennium Ultra schedule management system offers user friendly, easy schedule management with the ability to set and edit system access schedules. With the schedule management feature, one can create and edit schedules within seconds with the ability to have alternate schedules off typical programmed hours or holidays. The interface is easy to use and schedules can be programmed while other tasks are being performed simultaneously.



Floor Mapping - The Map feature in the Millennium ultra software provides a visual representation using floor plans and representative device icons. The feature may incorporate door status, input status, alarms and cameras to be presented as an easy-to-read floor map.



Status Indicators- The Millennium Ultra software operators are able to quickly view the status of hardware and determine the connectivity status with the software, to check for functionality.



Site Management- Millennium Ultra allows the software operator to create and manage cardholder access restrictions through a single management screen. This feature is ideal for medium and large system deployments with multiple locations.



Personnel Management- This feature simplifies cardholder management by assigning identification numbers with other easily recognizable fields, which are also customizable. An operator can attach an identifying photo associated with a cardholder along with associating multiple credentials for system access.



Alternative Scheduling- Sometimes a schedule for a single door or group is necessary as an alternative to the existing applied door schedule. This independent scheduling feature allows the flexibility to accomplish a one-off or repetitive alternative schedule without the need to reconfigure the existing schedule.



Global Communication- Millennium Ultra possesses the ability to communicate between site controller panels independently to pass all programming features between interconnected door panels via our server software. With public IP addresses, control to previously inaccessible remote sites is possible.



Software Installation- The Millennium Ultra software installation procedure has been simplified to ensure efficiency and swift onboarding. Maintaining client workstation installations has never been easier, as the client software will update automatically after the server has been.



Expandable Database- Millennium Ultra was designed on the SQL database platform allowing for simple expansion if necessary. It is optimized to facilitate quality performance and efficiency, powered by the trusted Microsoft SQL platform.



Event Management – System events such that unauthorized entries, intrusions or any specified event are able to be coupled with pre-set system responses. These responses range from software alarm alerts to email notifications to authorized addresses.



Hardware Management- Millennium Ultra is flexible for the review of all door and elevator hardware configuration and more. All viewable from a centralized setup screen.



Windows OS Support Millennium ultra operates in Windows 7, Windows 8.1, Windows 10, and Windows Server 2012+ environments. For more information on our full range of operating specifications and conditions please contact our Technical Support department.



Web / Server Client Install- Ultra allows for both local and remote set-up and installation of the software with the ability to log in over the internet, globally on web browsers via computers and mobile devices. It is optimized for server login and basic operation regardless of the current user's location.



First User Auto Unlock – This Ultra software feature allows a system to stay locked while following a typical unlock schedule, until the first valid user swipes a credential. This ensures that a system has the flexibility to be secure as occasionally, the personnel schedule may differ slightly than the typical schedule.



Hosting- The Millennium Ultra software is flexible with hosting options. The client software is installed on a local customer computer, and then communicates with our Ultra servers without the need for a locally installed system. As updates are released, the hosted instances are automatically updated to the latest version of software, removing the need for maintenance responsibilities and associated internal inefficiencies.



Professional Service Agreements— Annual renewable subscription-based agreements providing technical support for all issues relating to the software along with our hardware and several other configurations directly to end users.



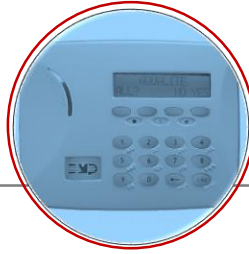
Phone Hot Commands- The software integrates seamlessly with mobile devices through an interface that allows you to issue hot commands, also known as a group command. An operator can facilitate the security function of doors, trigger lockdowns, generate alerts and change basic configurations.



Toggle- Millennium Ultra possesses the ability to facilitate abnormal schedule overrides using the toggle function. A door schedule can be changed to open outside a set schedule with which the override abides until the toggle is triggered again, reverting to the typical schedule.



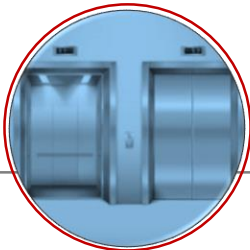
Mass Notification System- With Rave mass notification integration, Millennium Ultra is able to send out text messages alerts to thousands of recipients in the event of an emergency.



Fire Intrusion Alarm-Millennium door controllers each have 6 available alarm points allowing for integration with the most popular fire alarm systems. In conjunction with these alarms, alerts can also be issued.



Bio-entry Readers – Fingerprint readers from Suprema are able to be integrated with Millennium Ultra, allowing for a card-less access. The cardholders can be assigned fingerprints all from within Ultra.



Elevators- Millennium Ultra is able to control the access of elevators through a proprietary Millennium elevator control board.



Muster Reporting- With Anti-passback enabled and an IN with an Out reader, Ultra is able to generate a report with which cardholders are in a pre-determined area.

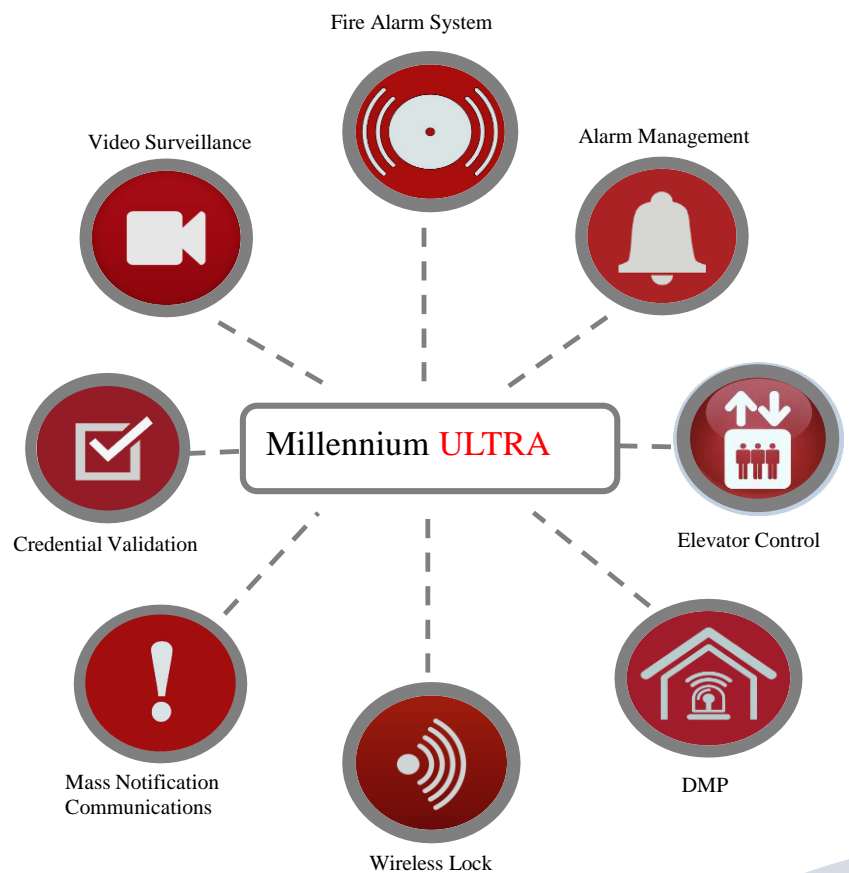


Tenant Partitions- Ultra is able to create partitioned interfaces so that operators and sites are able to only see their portion of the program , allowing for multiple sites to maintain desired privacy levels.

Compatibility

The Millennium Ultra software is highly flexible and capable of integration with leading security software vendors. These applications can be controlled within the software platform with our intuitive software navigation screens.

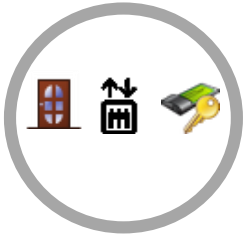
- **March Networks-** The Millennium Ultra system integrates seamlessly with March video network systems.
- **DMP-** Ultra provides seamless integration with a number of DMP alarm intrusion devices, allowing customers to monitor and perform intrusion detection within their facility. This stops incidents of tampering, theft and/or damage to property.
- **Alarm Management-** The Millennium Ultra system is able to connect with basic alarm management systems to provide centralized alarm management.
- **Fire Alarm System-** The Millennium Ultra system allows for the integration of various fire alarm systems using the alarm points on each door controller device. The system allows the connection of up to 6 alarm points per door controller.
- **Credential Validation-** The Millennium Ultra system is compatible most access control cards & readers, commonly used in private & government installations.
- **Elevator Control-** The Millennium Ultra system utilize the Millennium brand ECU/ECD devices and provide visibility into elevator access within the Ultra event monitoring system.
- **Mass Notification Communications-** The Millennium Ultra system has integration with The Rave alarm system notification.
- **Wireless Lock-** Millennium Ultra integrates with ASSA Abloy IN120., Allegion AD400/401, Salto and Ving card.



*Under development- Integration with more third party systems

Software User Interface

The Millennium Ultra software functionality uses easy to recognize graphical elements to enhance ease of use. Our components are categorized and each category includes multiple buttons to aid navigation.



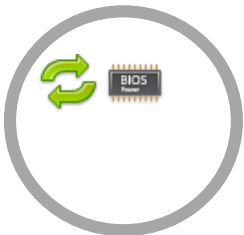
Hardware- This section contains interactive buttons that allow you to monitor and manage your sites and all connected devices.



System Administration- The system administration section allows the management all device functionality allowing for customized permission levels based on organizational policies and preferences. Alarm routing templates with definitions can be configured for email notifications, or system lockdowns.



Settings- This section allows for simple software customization and other system functionalities such as data input/export options, management of individual customer settings, license management, user templates, instantaneous operator commands, and product registration.



Diagnostics- Just like you would expect, the diagnostics section contains all the elements needed to diagnose errors, restart services, and update software component versions.



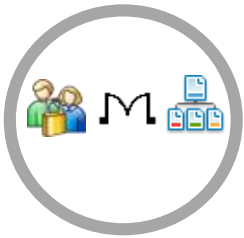
Reports – In this section, you can manage all the functions that control the input, editing and management of all information for your card holders and visitors, generate reports on events and device status.



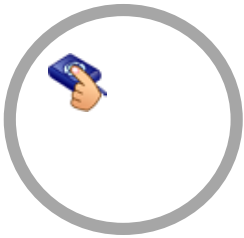
Database functions – The database functions’ section is very important as it makes it possible to import and export cardholder information, back up your system data and restore all key functions.



Historical log – The historical log section sets ultra apart from most other competitor products as it allows you to easily access all historical data with the click of a button. You can also change the settings of how you gather, import or export the information.



Maps - This section contains interactive floor maps and plans and allows you to open and interact with one or all of the sites you monitor using the Millennium ultra system.



External systems – Here you have the ability to manage of all video, bio-entry systems and DMP components. Video components include the installed IP cameras, and DVR/NVR integration from the all the top manufacturers. seamless integration with a number of intrusion devices, allowing customers to monitor and perform intrusion detection within their facility to stop incidents of tamper, theft and/or damage to property


Ultra Access Control Unit Device Features*


Access Control Unit	ESCU	EDCD	EDCD-2	NETdcd	NETdcd-2	ECU	ECD	RCD
Reader ports	N/A	1	2	1	2	N/A	1	N/A
Flash memory	Yes	Yes	Yes	Yes	Yes	Yes	Yes	N/A
System, status LED	Yes	Yes	Yes	Yes	Yes	Yes	Yes	N/A
Power fail output	No	No	No	No	No	No	No	No
Alarm inputs	No	Yes	Yes	Yes	Yes	Yes	N/A	N/A
Request to exit	N/A	1	2	1	2	N/A	N/A	N/A
Door contact input	N/A	1	2	1	2	N/A	N/A	N/A
AUX relay	N/A	1	2	1	2	N/A	N/A	N/A
Door/floor output relays	N/A	1	2	1	2	16	N/A	N/A
No. of cardholders	N/A	60,000	40,000	60,000	40,000	40,000	N/A	N/A
Transaction file buffer	2000	2000	2000	2000	2000	N/A	N/A	N/A
Time intervals	200	200	200	200	200	200	200	N/A
Ethernet ready	Yes	No	No	Yes	Yes	No	No	No
Multi-card formats	N/A	Yes	Yes	Yes	Yes	No	N/A	N/A
Doors and elevators supported	N/A	N/A	N/A	N/A	N/A	1 unit (up to 16 floors) Multiple units for unlimited floors	N/A	N/A

*The information contained in this table consists of current features and device specifications applicable when this document was generated. Specifications and service offerings are subject to change without notice.



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