

## FEATURES

- ▶ Dynamic and flexible design enabling truly customized solutions
- ▶ Open architecture facilitating third party integrations
- ▶ Simple and intuitive Graphical User Interface
- ▶ Roles-based administration with granulated permissions
- ▶ Windows-based client and server system
- ▶ Automatic uploading of configuration to Unison
- ▶ Unlimited zones
- ▶ Detailed statistics and reports
- ▶ Complete database partitioning
- ▶ Dynamic graphical monitoring and control
- ▶ Fully scalable from small to enterprise environments



The PACOM Unison client and server run on a Microsoft Windows platform and the ribbon-style menus on the user interface provide a level of instant familiarity for anyone who has used a Microsoft Office product.

One of PACOM Unison's most powerful features is a graphical layout view. New maps can be imported using AutoCAD drawings and other image formats. Icons can be placed on the drawing to represent various nodes, such as cameras, doors, alarms and card readers. The graphical view is fully interactive, allowing operators to click on any icon to enact an action or command. Operators are able to monitor any event when and where it happens and respond quickly and decisively. Information from hundreds and thousands of nodes are monitored and displayed in real-time using fully configurable graphical maps and panels.

PACOM Unison is available in 2 editions:

- PACOM Unison Standard: for small and medium organizations.
- PACOM Unison Enterprise: for large or complex organizations that require high workloads and accessibility.

***PACOM Unison is an innovative and scalable software solution that incorporates various sub systems - access control, intrusion detection, alarm, video, elevator, intercom, fire - from different manufacturers into a unified building management and security platform.***

## OPEN ARCHITECTURE

PACOM Unison's ability to integrate to different sub-systems enables organizations to preserve their original investments and consolidate them into a modern management platform. PACOM Unison's advanced design ensures that device drivers can be rapidly developed in-line with new market opportunities and the core engine can be easily enhanced as technologies emerge. PACOM Unison is offering full support for virtualization, database clustering and replication.

All the sub-systems within PACOM Unison can be linked via intelligent macros. Macros define what, how and when a specific event or command is activated. Unison is an advanced platform built for applications where scalability and high availability are of paramount concern.

## SYSTEM FEATURES

FEATURE	LIMITS	FEATURE	LIMITS
Workstations	50-100	Time schedules	unlimited*
Stored operator events	unlimited*	Card readers	unlimited*
Alarm categories	unlimited*	Users	unlimited*
Alarm priorities	unlimited*	Searchable data fields per user	unlimited*
Alarm nodes	unlimited*	Ability to connect card to photo,signature	Yes
Alarm node name	500 characters	Credentials	unlimited*
Alarm nodes description	1000 characters	Credentials per user	unlimited*
Alarm instructions	unlimited*	Varying days in the calendar	unlimited*
Alarm user groups	unlimited*	Holidays	unlimited*
Alarm types	unlimited*	Input points	unlimited*
Instruction text	1000 characters	Output points	unlimited*
Incident text/alarm node	unlimited*	Time channels	unlimited*
Pictures	unlimited*	Access groups	unlimited*
Layers per picture	unlimited*	Access groups per user	unlimited*
Overview images	unlimited*	Individual access right on credential level	Yes
Graphic layers	unlimited*	Stored access incidents/events	unlimited*

**Note:** The above features apply to the Unison system and not to the connected hardware.

\* The number of workstations, users and nodes depends on system architecture, system activity and other environmental factors.

Limitations may apply due to database or other physical or software system constraints. Controller hardware also has limitations to the number of devices and functionality that it can support.

## RELEASED FEATURES

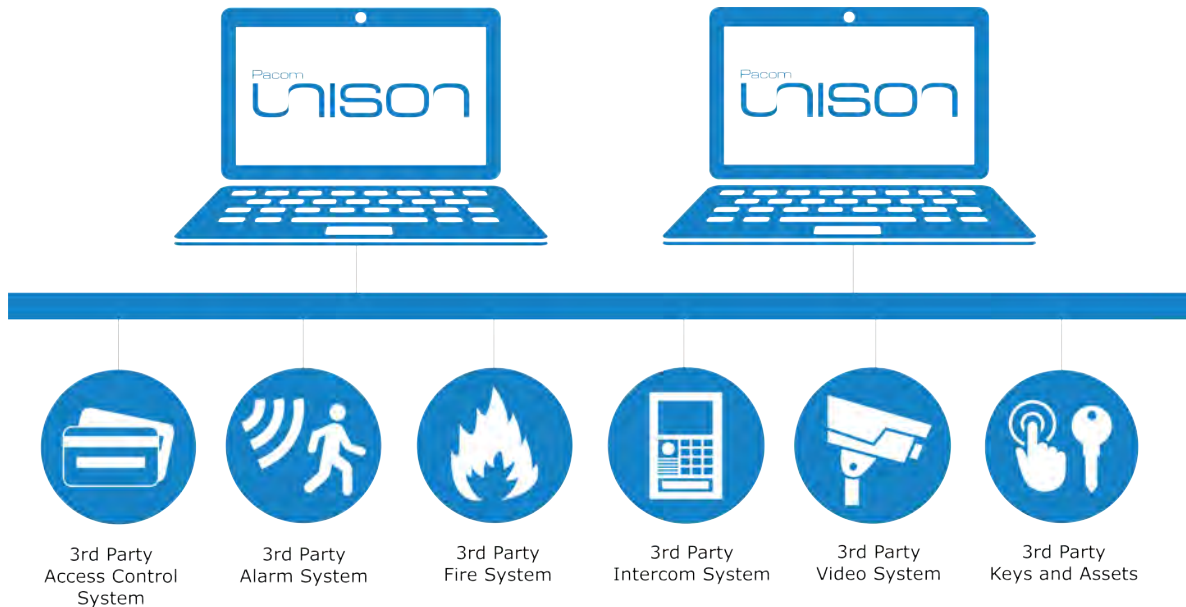
Added in Unison v5.10:

- Support for change tracking
- Introduction of Alarm Receiver and Alarm Sender drivers
- Updates to Sentrion driver
- Active Directory authentication for operator login
- User security levels
- Improved operator and alarm management workflows

Added in Unison v5.11:

- Enhancements to alarm management in the Alarm List and Alarm Details panels
- Introduction of Area of Responsibility to add further permissions and security features to operator roles
- Ability to switch operators in the same operator group without closing and restarting the Unison client
- Updates to the network video driver to support ONVIF Profile T video streaming features
- Updates to Ascom drivers
- Alarms can be listed by priority rather than state
- Display management of panels enhanced to allow customization of size and color for tabs
- Keyboard shortcuts have been introduced to navigate docked panels
- Logging and filtering enhancements to transaction logs
- Introduction of a mapping component with the ESRI ArcGIS mobile map package

## UNISON MODULE INTEGRATIONS



## INTEGRATION FEATURES

C O M M O N	Automatic upload of configuration data	When integrating with a fire, intrusion or other sub-system, PACOM Unison intelligently uploads the configuration of large numbers of different objects, thereby minimizing data entry and programming errors, and significantly speeding up commissioning.
	Import CAD drawings	The intelligent CAD import wizard is used to import drawings and have a fully interactive professional dynamic site map linking system devices within minutes.
	Bulk programming	Bulk updating of frequently performed tasks are enabled using wizards to guide you through an operation in a clear and simple manner.
	Powerful reporting	The Reporting Module enables selection from a comprehensive library of built-in reports or create your own, so as to make well-informed business decisions.
	User roles	Workspaces enable administrators to define exactly what user interface displays for specific roles or users, e.g., toolbars, menus and palettes and their interface locations.
	Partition	PACOM Unison can be divided into smaller systems resulting in the user handling only relevant data. Partitions can be configured for all constituent sub-systems, cardholders, alarm queues etc.
	Smart search functions and tagging	Ability to tag any system object with a combination of keywords. Like a built-in search engine, adding keywords to any device or user simplifies system management and allows operators to search, filter and bulk-update large volumes of information.
	HR systems	Integration with HR systems to automatically collect personal information whenever an employee starts or leaves the company, so as to eliminate the risk of having active permissions after an employee has left the company.
	External PIAM-system	Integration with PIAM-systems, to make it possible to import and export logical and physical access rights for Unison users.

V I D E O	Intelligent video switching	Configurations are able to show different camera views based on alarm type, time and logged on operator, ensuring that relevant information is presented to the system operator.
	Video verification	Alarms can be linked to real-time or recorded video, which further ensures that operators focus on relevant information in the case of alarm.
	Camera alarm	Receive and manage alarms from cameras such as video motion detection, image loss and communication interruptions.
I N T E R C O M	Intercom	Camera images can be linked to the intercom to provide an operator with an image of the person using the intercom.
	Alarm management	An alarm manager is used for each alarm queue, as well as all alarms, showing the time of the alarm, system affiliation, point name and the status of the point. It is possible to select and register the actions taken in connection with acknowledgement of alarms. An alarm object can be directed from PACOM Unison to a number of different positions.
	Enforced action procedures	Administrators can set conditions/actions that the operator must perform before clearing alarms (e.g. give a description of the alarm).
	Video verification	Automatic display of camera images connected to the place where an intercom call is made.
	Presentation of door status	Interactive icons can be placed on graphical site plans to represent intercom stations and their status.
	Remote unlock	Any door can be linked with an intercom station to enable remote unlock.
	Intercom queue	In environments with many intercom stations, PACOM Unison can be configured to queue the calls. This enables the operator to respond to multiple requests in a speedy and methodical manner.
	Audit trail	All intercom activities such as completed calls, answered calls, location, etc. are included in an audit trail.

## SYSTEM REQUIREMENTS

COMPONENT	COMPATIBILITY
PACOM Unison Server	Microsoft Windows Server 2019, 2016, 2012 R2, 2012 Microsoft Windows 10, 8.1, 8, 7 <b>Note:</b> PACOM Unison Server only supports 64-bit versions of Windows.
PACOM Unison Database Server	Microsoft SQL Server 2019, 2016, 2014, 2012 SP3 <b>Note:</b> SQL Server Express has a reduced feature-set and is only recommended for testing or very small installations. <b>Note:</b> PACOM Unison Server supports 64-bit versions of SQL Server.
PACOM Unison Client Workstation	Microsoft Windows 10, 8.1, 8, and 7 <b>Note:</b> PACOM Unison Client supports only 64-bit versions of Windows.

## EDITION LIMITS

MODULE	STANDARD *	ENTERPRISE
Access (Doors)	100	unlimited
Alarm (Alarm Points)	1500	unlimited
Alarm Receiver	250	unlimited
Alarm Sender	3	unlimited
Fire (Addresses)	2500	unlimited
Intercom (Units)	50	unlimited
Keys/Assets	250	unlimited
Video (Cameras)	100	unlimited
Advanced**	n/a	included

\* Maximum number of supported units

\*\* PACOM Unison Enterprise supports advanced features, such as Windows Failover Cluster, virtual environments, API integration, server replication and an unlimited amount of connected devices.

## ORDERING INFORMATION

PART NUMBER	TYPE CODE	DESCRIPTION
110 001 001	USN-STD	Unison Standard includes one (1) Unison client workstation
110 001 002	USN-ENT	Unison Enterprise includes one (1) Unison client workstation
110 003 001	USN-CLNT1	Unison Client Workstation
110 002 002	USN-ALM	Unison Alarm Module includes support for 50 alarm points
110 002 003	USN-ACM	Unison Access Control Module includes support for 10 doors
110 002 004	USN-FCM	Unison Fire Module includes support for 250 fire addresses
110 002 005	USN-VCM	Unison Video Module includes support for 25 cameras
110 002 006	USN-ICM	Unison Intercom Module includes support for 25 intercom units
110 002 008	USN-KEY	Unison Keys & Assets Module includes support for 25 keys/assets
110 002 010	USN-RSM	Unison Alarm Receiver Module includes support for 50 zones/devices
110 002 011	USN-SSM	Unison Alarm Sender Module includes support for one (1) Alarm Sender