SYSTEM REQUIREMENTS

PACOM Unison v5.13.0

Updated: March 2025

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Specifications & Limits

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*

* 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 of number of devices and functionality that it can support.

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

Hardware Requirements

Component	Requirements	
Processor	Server:	Intel Core i7 or Xeon Quad or higher (8+ Core recommended)
	Client:	Intel Core i5 or higher (i7 recommended)
	Note: 64-bit processor required.	
Memory	Server:	16GB minimum (32GB recommended)
	Client:	8GB minimum (16GB recommended)
	Note: The memory required depends on the amount and size of the graphics, if selected for pre-loading purposes.	
Hard Disk Drive	Server:	100GB minimum free space (SSD recommended)
	Client:	60GB minimum free space
	Note: Available space required for the system databases depends on the size of the installation and how generally 'busy' the system is. For larger installations, it is recommended that the Unison database is located on a high-speed hard disk arrangement, such as RAID with SSD disks.	
Peripherals	Client - Color monitor (27" 2560 x 1440 resolution) Keyboard and mouse or compatible pointing device Gigabit Ethernet network adapter	

Software Requirements

Compatible operating systems and database applications for the Unison solution.

> **Note:** Other versions may be compatible but have not been tested and are therefore not supported by PACOM.

Component	Requirements
Client	Microsoft Windows 10, 64-bit Microsoft Windows 11, 64-bit (recommended)
Server	Microsoft Windows Server 2019 Essentials/Standard/Datacenter Microsoft Windows Server 2022 Essentials/Standard/Datacenter Microsoft Windows Server 2025 Essentials/Standard/Datacenter (recommended) **Notes:** - For systems running Unison Enterprise, Windows Server Standard or Datacenter edition is recommended.
Database	Microsoft SQL Server 2017 Express/Standard/Enterprise Microsoft SQL Server 2019 Express/Standard/Enterprise Microsoft SQL Server 2022 Express/Standard/Enterprise (recommended) **Notes:** - For systems running Unison Enterprise, SQL Server Standard or Enterprise edition is recommended. - Due to a potential issue with SQL Server 2022 where incorrect syntax can be reported during upgrade, it is recommended that SQL Server 2022 is run in SQL Server 2019 compatibility mode. - When using SQL Express in conjunction with Unison, be aware that SQL Server Express is limited in physical memory (RAM), storage memory (database size), socket usage and SQL functionality (for example, data backup, replication, etc.) that may severely impact performance if an installation reaches any of these limits. Detailed information about SQL Server editions, including limitations and download links is available on the Microsoft website. - For virtual environments, the backup of a virtual machine can freeze SQL and Unison processes resulting in system issues. To resolve this, execute a normal backup from SQL Server inside the virtual machine or utilize Unison's internal backup function

Compatibility

Third Party Software

The following recommended third party software has been tested.

Other versions may operate correctly but have not been tested.

Software Components	Products
Virtual Environment Software	VMWare® ESXi 8.x vSphere 8.x Hyper-V®
Anti-Virus Software	Anti-virus software with firewall settings enabled may cause network disruptions between Unison clients and servers.

Third Party Devices

For third party device compatibility, refer to the Unison Compatibility Matrix located on the PACOM website.

Deployment

PACOM Unison is designed and suitable for installations as an in-house on-premise solution, where Unison servers and clients are installed on computer within an organization.

Hardening of the operating system, servers, database and network is also recommended for a Unison solution to improve cyber security and protection of data.