

UMS System Requirements

Below you will find traditional **Minimum System Requirements** for UMS.

UMS Client/Workstation

Processor	Intel Dual Core or compatible 2.0-GHz or higher processor
Operating System	Windows 11 or 10 with latest service packs and updates
.NET Framework	v4.8 or later
Crystal Reports Runtime	13 SP24 (UMS 6.4 or below) 13 SP26 (UMS 6.5 or greater)
Microsoft Edge Webview2 Runtime	92.0 or higher (UMS 6.6 and above)
Memory	8.0 GB of RAM or greater
Hard Disk	The application will require 700 MB for a typical installation
Display	1024x768 SVGA or higher-resolution color monitor 8MB or greater video card
Network	Gigabit Network Card
Technical Support	Internet connection

Additional Client Recommendations

- Installation and/or use of the UMS client may require elevated user permissions.
- Additional memory may be required, depending on operating system requirements.
- Hard disk requirements vary based on your system configuration and the applications and features you choose to install.
- Dot matrix printers are not recommended or supported for use with UMS.
- For the purpose of serialization, an internet connection is required.

UMS Server

Minimum Requirements - Less Than 1,500 Service Locations

Processor	Second generation Intel Core processor or greater
Operating System	Windows 11 or 10 Pro or Enterprise Edition Windows Server 2022, 2019, 2016 Standard or Datacenter Edition
Database Server	SQL Server 2022, 2019, 2017, 2016 Express*, Standard, or Enterprise Edition Latest Service Packs
.NET Framework	v4.8 or later
Memory	16.0 GB of RAM or greater
Hard Disk	12 GB operating system hard drive
Network	Gigabit Network Card with static MAC address

*** SQL Server Express has the following limitations:**

- Compute: Limited to lesser of 1 socket or 4 cores
- Buffer pool memory: 1410 MB
- Maximum database size: 10 GB
- High Availability: no failover clustering or availability groups

If your needs exceed any of these limitations, SQL Server Standard or Enterprise Edition would be required.

Minimum Requirements - Less Than 3,000 Service Locations

Processor	Second generation Intel Core processor or greater
Operating System	Windows Server 2022, 2019, 2016 Standard or Datacenter Edition
Database Server	SQL Server 2022, 2019, 2017, 2016 Standard or Enterprise Edition Latest Service Packs
.NET Framework	v4.8 or later
Memory	16.0 GB of RAM or greater
Hard Disk	12 GB operating system hard drive
Network	Gigabit Network Card with static MAC address

Minimum Requirements - Between 3,000 and 100,000 Service Locations

Processor	Intel Xeon or compatible 2.0 GHz or higher processor
Operating System	Windows Server 2022, 2019, 2016 Standard or Datacenter Edition
Database Server	SQL Server 2022, 2019, 2017, 2016 Standard or Enterprise Edition Latest Service Packs
.NET Framework	v4.8 or later
Memory	16.0 GB of RAM or greater
Hard Disk	RAID 10 with 4 x 500 GB hard drives 10 GB free hard-disk space for system drive 80 MB free hard-disk for English Query
Network	Gigabit Network Card with static MAC address

System Requirements - Greater Than 100,000 Service Locations

Processor	Intel Xeon or compatible 2.0 GHz or higher processor (Quad-Core processor recommended)
Operating System	Windows Server 2022, 2019, 2016 Standard or Datacenter Edition
.NET Framework	v4.8 or later
Memory	16.0 GB of RAM or greater
Hard Disk	RAID 10 with 4 x 500 GB hard drives 500 GB Operating System Hard Drive 10 GB free hard-disk space for system drive 80 MB free hard-disk for English Query

Network	Gigabit Network Card with static MAC address
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Additional Server Recommendations

- High quality Battery Backup Device with Conditioner.
- Data backup solution.
- Additional memory may be required, depending on operating system requirements.
- Hard-disk requirements vary based on your system configuration and the applications and features you choose to install. Additional hard disk space will be required for the data, depending on the size of the database.
- System needs to meet requirements for selected SQL Server Edition and Operating System.
- An outgoing mail SMTP server is required for sending emails, E-bill notifications, and Secure E-Bill via the UMS application. Please consult with your local ISP or Web hosting provider to confirm the email send-rate limit and other mass emailing restrictions, prior to implementing UMS mass emailing functionality.
- For the purpose of serialization, an internet connection is required.
- A regularly scheduled server reboot for Windows updates to optimize performance. (At least once a month)

UMS Database

Minimum Requirements

For our minimum requirements, the UMS Database resides on the same machine as the UMS Server.

System Requirements 100,000 - 250,000 Service Locations

Processor	Intel Xeon or compatible 2.0 GHz or higher processor (Quad-Core processor recommended)
Operating System	Windows Server 2022, 2019, 2016 Standard or Datacenter Edition
Database Server	SQL Server 2022, 2019, 2017, 2016 Standard or Enterprise Edition Latest Service Packs
.NET Framework	v4.8 or later
Memory	8.0 GB of RAM or greater
Hard Disk	RAID 10 with 4 x 500 GB hard drives 500 GB Operating System Hard Drive 32 GB free hard-disk space for system drive 80 MB free hard-disk for English Query
Network	Gigabit Network Card
Additional Hardware	High quality battery backup device with conditioner Data backup solution

System Requirements - Greater Than 250,000 Service Locations

Processor	Intel Xeon or compatible 2.5 GHz or higher processor (Quad processor recommended)
Operating System	Windows Server 2022, 2019, 2016 Standard or Datacenter Edition
Database Server	SQL Server 2022, 2019, 2017, 2016 Standard or Enterprise Edition Latest Service Packs
.NET Framework	v4.8 or later
Memory	24.0 GB of RAM or greater
Hard Disk	RAID 10 with 4 x 1TB hard drives 1 TB Operating System Hard Drive 32 GB free hard-disk space for system drive 80 MB free hard-disk for English Query

Network	Gigabit Network Card
Additional Hardware	High quality battery backup device with conditioner Data backup solution

Required SQL Instance Features

These features will need to be installed on the SQL instance housing the UMS database.

- Database Engine Services
- [Full-Text and Semantic Extractions for Search](#)
- Client Tools Connectivity
- Mixed-mode authentication (SQL & Windows) must be enabled on the SQL instance

Additional Recommendations

- Additional memory may be required, depending on operating system requirements.
- Hard-disk requirements vary based on your system configuration and the applications and features you choose to install. Additional hard disk space will be required for the data, depending on the size of the database.
- All of the specifications provided are for individual servers per application. When considering specifications for a one server setup you will have to combine the RAM amounts specified above from UMS Client, Server, and DB specifications.

Notes

1. Additional RAM may be required based on database file size. It is recommended to have enough RAM to contain the database in its entirety.
2. A static MAC address is required for software licensing verification.