

# Lytec & Lytec MD System Requirements

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2024 EDITION

# LYTEC 2024 HARDWARE AND SOFTWARE REQUIREMENTS – SINGLE USER

## SINGLE USER HARDWARE REQUIREMENTS

CPU Type	Intel i5 10 <sup>th</sup> Generation or Better
RAM (Memory)	8GB
Storage Space available	25GB*
Network Card (NIC)	1Gbps
Display Monitor	1024x768 (1280x800 for widescreen displays)

## SUPPORTED OPERATING SYSTEMS

- ▲ Windows 10 Pro/Enterprise (Windows 10 S and Home are NOT supported)
- ▲ Windows 11 Pro/Enterprise (Windows 11 Home is NOT supported)

## INTERNET – REQUIRED

High-speed Cable, DSL, or Satellite Internet service.

## SQL DATABASE

CGM LYTEC Single User version uses SQL Server Express. With this application, the size of your database is limited to 10GB. SQL Server 2017 Express will use, at most, 1GB of RAM. If your database is bigger than 10GB you will have to purchase SQL Standard.

# LYTEC 2024 HARDWARE AND SOFTWARE REQUIREMENTS – MULTI USER

## SERVER HARDWARE REQUIREMENTS

CPU Type	Intel i5 10 <sup>th</sup> Generation or Better
RAM (Memory)	8GB
Storage Space available	25GB*
Network Card (NIC)	1Gbps
Display Monitor	1024x768 (1280x800 for widescreen displays)

## SUPPORTED OPERATING SYSTEMS

- ▲ Windows Server 2016 Standard (64 Bit), Datacenter, Essentials
- ▲ Windows Server 2019 Standard
- ▲ Windows Server 2022 Standard
- ▲ Windows 10 Pro/Enterprise (Windows 10 S and Home are NOT supported)
- ▲ Windows 11 Pro/Enterprise (Windows 11 Home is NOT supported)

## NETWORK – RECOMMENDED

Consult with a licensed network vendor for proper wiring for your business computing environment. Wireless networks are not recommended. If a wireless network is the only option, eMDs requires the use of Terminal Services/RDP/ Thin Clients and does **not** support a direct connected wireless workstation.

## INTERNET – REQUIRED

High-speed Cable, DSL, or Satellite Internet service.

## SQL DATABASE

CGM LYTEC Single User version uses SQL Server Express. With this application, the size of your database is limited to 10GB. SQL Server 2017 Express (or newer) will use, at most, 1GB of RAM. If your database is bigger than 10GB you will have to purchase SQL Standard.

## WORKSTATION HARDWARE - RECOMMENDED

CPU Type	Intel i5 10 <sup>th</sup> Generation or Better
RAM (Memory)	8GB
Storage Space available	25GB
Network Card (NIC)	1Gbps
Display Monitor	1024x768 (1280x800 for widescreen displays)

## SUPPORTED OPERATING SYSTEMS

- ▲ Windows 10 Pro/Enterprise (Windows 10 S and Home are NOT supported)
- ▲ Windows 11 Pro/Enterprise (Windows 11 Home is NOT supported)

# LYTEC 2024 HARDWARE AND SOFTWARE REQUIREMENTS – CLIENT / SERVER

## SERVER HARDWARE REQUIREMENTS

CPU Type	Intel i5 10 <sup>th</sup> Generation or Better
RAM (Memory)	8GB
Storage Space available	25GB*
Network Card (NIC)	1Gbps
Display Monitor	1024x768 (1280x800 for widescreen displays)

DAS Health recommends:

### LARGER INSTALLATIONS / MULTIPLE DATABASES / INTERFACES

There is no specific formula or rule for adding additional RAM and other resources as the number of users or transactions on a server increase.

As database size and/or number of users increase, you will need to add additional CPUs and cores to prevent performance degradation. For large systems it would be typical to have between 8 to 16 cores.

SQL can use the lesser of 4 sockets or 24 cores. For larger installations it is recommended to have a minimum of 8 CPU's, going up to 16 CPU's for the biggest sites.

### SUPPORTED OPERATING SYSTEMS

- ▲ Windows Server 2016 Standard (64 Bit), Datacenter, Essentials
- ▲ Windows Server 2019 Standard
- ▲ Windows Server 2022 Standard
- ▲ Windows 11 Pro/Enterprise (Windows 11 Home is NOT supported)\*

\*Note: DAS Health does not recommend using Windows 11 as your database / SQL server for Lytec Client / Server. Lytec Client / Server is best used on a Windows Server operating system.

### NETWORK – RECOMMENDED

Consult with a licensed network vendor for proper wiring for your business computing environment. Wireless networks are not recommended. If a wireless network is the only option, eMDs requires the use of Terminal Services/RDP/ Thin Clients and does **not** support a direct connected wireless workstation.

## INTERNET – REQUIRED

High-speed Cable, DSL, or Satellite Internet service.

## SQL DATABASE – SUPPORTED

- ▲ Microsoft SQL 2019
- ▲ Microsoft SQL 2017

## WORKSTATION HARDWARE - RECOMMENDED

CPU Type	Intel i5 10 <sup>th</sup> Generation or Better
RAM (Memory)	8GB
Storage Space available	25GB
Network Card (NIC)	1Gbps
Display Monitor	1024x768 (1280x800 for widescreen displays)

## SUPPORTED WORKSTATION OPERATING SYSTEMS

- ▲ Windows 10 Pro/Enterprise (Windows 10 S and Home are NOT supported)
- ▲ Windows 11 Pro/Enterprise (Windows 11 Home is NOT supported)

# LYTEC MD 2024 HARDWARE AND SOFTWARE REQUIREMENTS – SINGLE USER

## APPLICATION SERVER

CPU (Processor)	Intel Dual Core Xeon 2.0GHz
RAM (Memory)	16GB
Storage Array Type	RAID-5 or SAN
Network Card (NIC)	1Gbps

## DATABASE SERVER SQL

CPU (Processor)	Dual Intel Quad Core Xeon 2.0GHz
RAM (Memory)	8GB (16GB for 30-100 users; 32GB for 100+ users)
Storage Array Type	RAID-1 and RAID-10 or SAN
Network Card (NIC)	1Gbps

## SERVER OPERATING SYSTEM - SUPPORTED

- ▲ Windows Server 2016 (64 Bit), Datacenter, Essentials
- ▲ Windows Server 2019 Standard
- ▲ Windows Server 2022 Standard

## SQL DATABASE – SUPPORTED

- ▲ Microsoft SQL 2019
- ▲ Microsoft SQL 2017

## WORKSTATION HARDWARE – RECOMMENDED

CPU Type	Intel i5 10 <sup>th</sup> Generation or Better
RAM (Memory)	8GB
Storage Space available	25GB
Network Card (NIC)	1Gbps
Display Monitor	1024x768 (1280x800 for widescreen displays)

## SUPPORTED WORKSTATION OPERATING SYSTEMS

- ▲ Windows 10 Pro/Enterprise (Windows 10 S and Home are NOT supported)
- ▲ Windows 11 Pro/Enterprise (Windows 11 Home is NOT supported)



# ANTIVIRUS AND FIREWALL SETTINGS

An installed firewall or router may be block some of the needed Platform Services APIs.

The following must all be allowed:

identity.emdscloud.com	eligibilitybenefits.emdscloud.com
licensing.emdscloud.com	ppsmobile.emds.com
terminology.emdscloud.com	api.emdscloud.com

In addition, the two below are required if you are using CGM CONNECTION:

<https://cnx.cgmus.com/>

<https://cnx-mh.cgmus.com/>

An anti-virus solution should be installed with the CGM-recommended configurations. The application folder and client folder must be excluded from real-time/on-access scanning. CGM recommends scheduled scans when users are not in the system. Ensure that exclusions are set properly. CGM recommends turning off Windows Defender and other anti-virus programs during the CGM MEDISOFT installation, and with Revenue Management (RM) installation and updates, otherwise it may interact with files and some files may not get installed. Any anti -virus solution that does not allow for exclusions should not be installed. If asked by Support, you must be able to show the exclusions.