

# Computer requirements for Thermo Scientific Chromeleon 7.2 Chromatography Data System

Software Version 7.2.10

**Table 1. Hardware requirements\* for Thermo Scientific™ Chromeleon™ Chromatography Data System (CDS) software – version 7.2.10.**

<b>Processor</b>	<b>Minimum:</b>	3 GHz Intel® Core™ i5
	With DAD:	3 GHz Intel Core i5
	With MS:	3 GHz Intel Core i7**
	With Agilent ICF / Waters ICS:	3 GHz Intel Core i5
	<b>Recommended</b>	3 GHz Quad Core i7** or better
<b>RAM</b>	<b>Minimum:</b>	8 GB
	With DAD:	8 GB
	With MS:	16 GB**
	<b>Recommended:</b>	16 GB or more**
<b>Hard Disk</b>	<b>Minimum:</b>	120 GB***
	Systems with 3D Detector(s):	250 GB***
	DAD at max rate (200Hz):	15 MB/min
	MS systems:	1 TB or more
<b>Optical Drive</b>		DVD
<b>Display</b>	<b>Minimum:</b>	1280 x 1024, 32-bit color
	<b>Recommended:</b>	1440 x 900, 32-bit color or higher ****
<b>USB Ports</b>	For license device:	1 USB port
	Thermo Scientific Modules*:	1 or more additional USB port(s) USB 2.0 or higher



\* Additional hardware requirements for connecting instruments are detailed in the List of Supported Instruments, available in the /Documents/ folder of the Chromeleon 7.2 CDS distributable.

\*\* To take full advantage of this hardware, a 64-bit Windows® version is required.

\*\*\* These hard disk requirements are set to enable storage of a substantial amount of data. The software itself requires approximately 8 GB disk space on the C drive (twice as much during an update). In addition, a few GB disk space must always be available on the C drive for sequence acquisition.

\*\*\*\* Display resolutions greater than 2048 x 1080 (i.e. QHD, 4K or 8K) are not currently recommended

The table above shows the minimum and the recommended PC configurations for stand-alone installation of Chromeleon 7.2 CDS. PCs meeting minimum requirements may be suitable for some low-demand applications, but will not provide satisfactory performance in many applications. PCs meeting recommended requirements should be suitable for general applications.



Table 2. Supported operating systems.

### Microsoft Windows 7

Chromeleon CDS – version 7.2.10 can be operated on the **32-bit\*** and **64-bit** versions of Microsoft Windows 7 **SP1 Professional**.

### Microsoft Windows 8.1 Pro

Chromeleon CDS – version 7.2.10 can be operated on the **64-bit** edition of Microsoft Windows 8.1 **Pro\*\***.  
Microsoft Windows 8 is not supported.

### Microsoft Windows 10 Enterprise

Chromeleon CDS – version 7.2.10 can be operated on the **64-bit** editions of Microsoft Windows 10 **Enterprise\*\*\*** and Microsoft Windows 10 **Pro\*\*\***.

\* Use of the 32-bit version is strongly discouraged. An exception is formed by the MSQ Plus, which can be run on Windows 7 (32 bit) Operating Systems only.

\*\* An internet connection is required for installing Chromeleon CDS on a Microsoft Windows 8.1 Pro operating system.

\*\*\* The option **Turn on fast startup (recommended)** should be disabled in the Windows 10 shutdown settings. This ensures that the Chromeleon CDS Instrument Controller Service is stopped correctly on system shutdown and prevents potential instrument connection issues when the computer is powered up again.

Find out more at [thermofisher.com/Chromeleon](http://thermofisher.com/Chromeleon)