PRODUCT SPECIFICATIONS

Computer requirements for Thermo Scientific Chromeleon XTR System

Table 1. Hardware recommendations for Thermo Scientific™ Chromeleon™ XTR Desktop Client

Processor	**Minimum:** **Recommended:**	3 GHz Intel® Core™ i3 3 GHz Intel Core i7* or better
RAM	**Minimum:** **Recommended:**	3 GB 8 GB or more*
Hard Disk	**Minimum:** **Recommended:**	60 GB** 250 GB**
Optical Drive		DVD
Display	**Minimum:** **Recommended:**	1400 × 1050 resolution, 32-bit color with support for Microsoft® DirectX® 1680 × 1050 resolution or higher

* For taking full advantage of this hardware, a 64-bit Microsoft Windows® version is required.

** These hard disk requirements are set to enable storage of a substantial amount of data. The software itself requires approximately 250MB disk space on the C drive (twice as much during an update).

The table above shows the minimum and the recommended PC configurations for installation of Chromeleon XTR. PCs meeting minimum requirements may be sufficient 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. Hardware recommendations for Chromeleon XTR Application Server***

Processor and RAM	**Minimum:** CPU:	Intel® Xeon® E3 quad core processor for up to 20 concurrent connections + 1 additional core for every 10 additional concurrent connections		
	RAM:	3 GB + 125 MB for each concurrent connection		
	Recommended:	0–20 Concurrent Connections	20–40 Concurrent Connections	40–60 Concurrent Connections
	CPU:	Quad core processor	6 core processor	8 core processor
	RAM:	8 GB	16 GB	32 GB
Hard Disk	**Minimum:** **Recommended:**	60 GB 250 GB		

*** These requirements are for a Chromeleon XTR application server only. If the same machine is also used as a database server, additional resources must be included for Oracle® Database or Microsoft SQL Server™ Database.

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Table 3. Supported desktop operating systems

Microsoft Windows 7
Chromeleon XTR was tested with **32-bit****** and **64-bit** versions of Microsoft Windows 7 SP1 Professional (English, Japanese and Simplified Chinese)

**** Use of the 32-bit version is strongly discouraged.

Microsoft Windows 10
Chromeleon XTR was tested with the **64-bit** version of Microsoft Windows 10 Professional***** (English, Japanese and Simplified Chinese)

***** Windows 10 Enterprise was not tested but no issues are expected

Table 4. Supported server/database operating systems

Windows Operating System
Chromeleon XTR was tested with Microsoft Windows Server 2012 R2 (English, Japanese and Simplified Chinese)
Database
Chromeleon XTR was tested with Oracle® Database 12c and Microsoft SQL Server 2014 SP2

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