PTC Creo Workstation Specifications

Introduction

The purpose of this document is to identify the minimum requirements/specifications to run Creo and related applications on a personal computer. These requirements will allow optimal performance when running the software. The specifications are categorised by complexity and or size of models. For use cases with an extremely large part count or complex models, a customised specification can be developed in co-operation with productONE.

All specifications are minimum requirements. Although it may be technically possible to run with lower configurations, performance will be problematic. For all specifications, a philosophy of "as much as the budget allows" should be adopted.

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General requirements

Component	Requirement
Operating System	Windows 10+
Network	Microsoft TCP/IP Ethernet Network Adapter
Graphics	Dedicated or on-board GPU[1]

Specifications influenced by model complexity:

Models up to 500 parts	Minimum	Recommended
Main Memory (RAM)	16 GB DDR or better[2]	32GB DDR or better[2]
CPU	4 Core, 3Ghz Turbo frequency[3]	6 Core +

software
valued software

support
valued support

services
valued services

Storage (HDD, SSD or SAS)	1TB	Depends on size and complexity of models that will be stored locally.

Models up to 10 000 parts	Minimum	Recommended
Main Memory (RAM)	32 GB DDR or better[2]	32GB DDR or better[2]
CPU	4 Core, 3Ghz Turbo frequency[3]	6 Core +
Storage (HDD, SSD or SAS)	1TB	Depends on size and complexity of models that will be stored locally.

Models over 10 000 parts	Minimum	Recommended
Main Memory (RAM)	32 GB DDR or better[2]	64+GB DDR or better[2]
CPU	4 Core, 3Ghz Turbo frequency[3]	6 Core +
Storage (HDD, SSD or SAS)	1TB	Depends on size and complexity of models that will be stored locally.

[1] A CUDA enabled graphics card is required for some modules such as Creo Simulation Live. If modules are added to Creo, this requirement must be checked.

[2] If Simulation modules are added to Creo the RAM may need to be increased to optimise performance.

[3] Due to many Creo functions being 1 Core oriented, the faster single core performance will optimise the user experience.