

## Recommendation for a basic configuration (One-CPU workstation)

Hardware	Minimal configuration	Recommendation	Optional
CPU <sup>(1, 2)</sup>	Intel® Xeon® w3-2435 8 Kerne / 3.1 GHz ... 4.5 GHz	Intel® Xeon® w5-3435X 16 Kerne / 3.1 GHz ... 4.7 GHz	Intel® Xeon® w7-3455 24 Kerne / 2.5 GHz ... 4.8 GHz
RAM <sup>(3)</sup>	64 GByte (4 x 16 GByte) DDR5 4800 DIMM / ECC	128 GByte (4 x 32 GByte) DDR5 4800 DIMM / ECC	256 GByte (8 x 32 GByte) DDR5 4800 DIMM / ECC
Graphics card <sup>(4)</sup>	NVIDIA GeForce RTX 3060	NVIDIA GeForce RTX 4070	NVIDIA Quadro RTX 4000
Storage	500 GB NVMe™ M.2 SSD	1 TB NVMe™ M.2 SSD	1 TB NVMe™ M.2 SSD
	2 TB SSD drive	4 TB NVMe™ M.2 SSD	8 TB NVMe™ M.2 SSD
Operating system <sup>(5)</sup>	Windows 11 Pro 64	Windows 11 Pro 64	Linux RHEL 8

## Recommendation for a high-end configuration (Dual-CPU workstation)

Hardware	Recommendation 1	Recommendation 2	Optional
CPU <sup>(1, 2)</sup>	2 x Intel® Xeon® Gold 6544Y 2 x 16 Kerne / 3.6 GHz ... 4.1 GHz	2 x Intel® Xeon® Gold 6548N 2 x 32 Kerne / 2.8 GHz ... 4.1 GHz	2 x Intel® Xeon® Gold 6558Q 2 x 32 Kerne / 3.2 GHz ... 4.1 GHz
RAM <sup>(3)</sup>	256 GByte (16 x 16 GByte) DDR5 5200 DIMM / ECC	512 GByte (16 x 32 GByte) DDR5 5200 DIMM / ECC	1 TByte (16 x 64 GByte) DDR5 5200 DIMM / ECC
Graphics card <sup>(4)</sup>	NVIDIA GeForce RTX 4070	NVIDIA Quadro RTX 4000	NVIDIA Quadro RTX 5000
Storage	1 TB NVMe™ M.2 SSD	1 TB NVMe™ M.2 SSD	2 TB NVMe™ M.2 SSD
	2 x 4 TB M.2 SSD PCIe 5.0	2 x 4 TB NVMe™ M.2 SSD	2 x 8 TB NVMe™ M.2 SSD
Operating system <sup>(5)</sup>	Windows 11 Pro 64	Windows 11 Pro 64	Linux RHEL 8+

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- (1) ... 64-bit CPU supporting SSE4.2
- (2) ... Hyper Threading should be deactivated.
- (3) ... The number of RAM modules should correspond to the total number of memory channels available on the processor.
- (4) ... NVIDIA graphics card supporting OpenGL 4.5+ and display output with 8GB+ VRAM.
- (5) ... Using HPC version requires Linux RHEL 8+.



**Note:** The exact hardware requirements depend on the application field and individual simulation projects.