Opendental software — Hardware Requirements

Workstations

Workstations can vary significantly depending on age, budget, workload, and use of other software such as imaging.

	Absolute Minimum	Typical Minimum	Suggested New
CPU	1 Ghz	Dual Core	Quad Core
OS	Windows 10	Windows 11	Windows 11
OS 32 bit vs 64 bit	64-bit	64-bit	64-bit
Memory	4 GB	8 GB	8 GB
Hard drive	50 GB free	200 GB	500 GB
Network	100 Mbps	1000 Mbps	1000 Mbps
Video	Integrated	Integrated or discreet	Any discreet card
Monitor	1280 x 768	17" 1080p	20" to 28", 1080p

MySQL / MariaDB Server Minimum Requirements

Number of workstations	1 to 10	11 to 30	31 to 100	101 to 200	200 plus
CPU	Dual Core	Dual Core	Quad Core	8 Core	Cluster
OS (64-bit)	Win 11 Professional	Win 11 Professional, or MS Server 2016, 2019, 2022	MS Server 2016, 2019, 2022, or Linux	MS Server 2016, 2019, 2022, or Linux	MS Server 2016, 2019, 2022, or Linux
MySQL (64-bit)	64-bit	64-bit	64-bit	64-bit	64-bit
Memory	4 GB	4 GB	4 GB	8 GB	16 GB
Hard drive	160 GB	250 GB	500 GB	1 TB	1 TB

File Server Minimum Requirements (for the OpenDentImages folder)

Number of workstations	1 to 10	11 to 30	31 to 100	101 to 200	200 plus
CPU	Dual Core	Dual Core	Dual Core	Dual Core	Quad Core
OS	Win 11 Professional	NAS, or MS Server 2016, 2019, 2022	NAS, or MS Server 2016, 2019, 2022 or Linux	MS Server 2016, 2019, 2022 or Linux	MS Server 2016, 2019, 2022 or Linux
Share with MySQL	Yes	Typically, yes	Maybe	No	No
Memory	4-6 GB	4-6 GB	4-6 GB	8-12 GB	8-12 GB
Hard drive	250 GB	500 GB	as needed	as needed	as needed

Windows 10* & 11 Professional allow up to 20 concurrent connections. *Windows 10 will reach end of support on October 14th, 2025.

We recommend allowing 20 – 25 % more connections than workstations to prevent rolling disconnects from the server.

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