

System Requirements – CAD+T ERP Professional

OFFICE / ERP WORKSTATION

OPERATING SYSTEM Windows 11 Pro / 64-bit version	PROCESSOR Intel Core i5 / Ultra 5 (8th generation or later) or comparable AMD processor (Ryzen), x86/amd64	WORKING MEMORY Min. 8 GB Rec. 16 GB
SCREEN 1920 x 1080 recommended with True Color up to 3840 x 2160 supported with a suitable graphics card	GRAPHICS CARD Recommended: Microsoft® Direct3D 11®	HARD DRIVE 256 – 512 GB SSD recommended ERP installation: 5.0 GB
POINTING DEVICE Windows-compatible wheel mouse	BROWSER Google Chrome™ or equivalent	.NET .NET 10 Desktop Runtime
OTHER Network card: 1,000 Mbit/s CAD+T recommends DPI scaling of 100% (200% for high-resolution displays); other scaling factors work but result in perceived blurriness.		
MICROSOFT OFFICE Microsoft Office 2024 / 32- and 64-bit version Microsoft 365 / 32- and 64-bit version		
ADDITIONAL REQUIREMENT Microsoft Visual C++ Redistributable (x64) must be installed.		



CAD WORKSTATION

OPERATING SYSTEM Windows 11 (25H2+) Windows Server 2025 / 2022 / 2019	PROCESSOR MIN 2.5 GHz · 8 logical cores REC. 4 performance cores, 4+ GHz Turbo <i>ARM processors are not supported.</i>	WORKING MEMORY MIN 16 GB REC. 32 GB
SCREEN 1920 × 1080 True Color up to 3840 × 2160 (4K)* <i>* with a suitable graphics card</i>	GRAPHICS CARD MIN 2 GB · 29 Gbit/s · DX11 REC. 8 GB · 106 Gbit/s · DX12 <i>DX12 Feature Level 12_0 required for the Shaded (Fast) visual style.</i>	HARD DRIVE MIN 75 GB SSD REC. 150 GB NVMe SSD
POINTING DEVICE MS-mouse-compatible device	BROWSER Google Chrome™ or equivalent	.NET .NET 10 or higher



DATABASE SERVER

	MINIMAL (UP TO 10 USERS)	RECOMMENDED (10–40 USERS)
Processor	1x quad-core server processor, x86/amd64	1x octa-core server processor or more powerful, x86/amd64
Working Memory	16 GB or more	32 GB or more
Disk Capacity	300 GB or larger (SSD recommended)	500 GB or larger (SSD recommended)
Partitioning	C:\ SQL Server only – D:\ for databases, license DB and backup	C:\ SQL Server only – D:\ for databases/license DB – Z:\ for backup/logs
Network Card	1,000 Mbit/s	1,000 or 10,000 Mbit/s
Operating System	Windows Server 2019 / 2022 / 2025 (recommended)	Windows Server 2019 / 2022 / 2025 (recommended)

For more than 40 ERP desktop users, please contact office@cad-t-solutions.com.

DATABASE SERVER (SUPPORTED VERSIONS)

Microsoft SQL Server 2017 / 2019 / 2022 / 2025, each in Express, Standard or Enterprise Edition.

MS SQL EXPRESS LIMITATIONS

Max. 1 CPU (up to 4 processor cores) – Max. 1 GB RAM – Max. 10 GB database size – No SQL Server Agent.

SQL INSTALLATION

Dedicated instance for CAD+T ERP (e.g. instance name «BGR2022»), dedicated instance for Proffix (instance name «PROFFIX») – Collation: Latin1_General_CI_AS.



FILE SERVER

	MINIMAL (UP TO 10 USERS)	RECOMMENDED (10–40 USERS)
Processor	1x quad-core server processor, x86/amd64	1x octa-core server processor or more powerful, x86/amd64
Working Memory	16 GB or more	32 GB or more
Disk Capacity	300 GB or larger (SSD recommended)	500 GB or larger (SSD recommended)
Network Card	1,000 Mbit/s	1,000 or 10,000 Mbit/s
Operating System	Windows Server 2019 / 2022 / 2025 (recommended)	Windows Server 2019 / 2022 / 2025 (recommended)

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FOLDER STRUCTURE

Program files: ..\CADT\ErpPro – Documents: ..\CADT\ErpPro\dokv – Shared folder with read/write access required for every ERP user.



NETWORK & SECURITY

CLIENT-SERVER NETWORK

Fixed IP addresses for servers, printers and production machines – DHCP only for PCs, notebooks and tablets.

No spaces or umlauts in names, max. 15 characters for servers and PCs.

Communication via TCP/IP with the SMB protocol – connection to the SQL server via port 1433.

Network with Active Directory and a correctly functioning DNS server.

High throughput (min. 1,000 Mbit/s), low latency (under 1ms on the local network).

FIREWALL & BACKUP

Open port 1433 for SQL communication.

Daily backup tasks (SQL Server Standard) or simple backup software (SQL Server Express).

Additional external backup of the *.bak/*.zip files recommended.

The program environment (file server) and the CAD drawing archive must also be backed up.

ANTIVIRUS CONFIGURATION

Exclude from virus scanning: program and document folders (..\CADT\ErpPro, ..\CADT\ErpPro\dokv).

Database folders: BGRDBs, BGRBackup, BGRTemp.

File types: LNG, QRY, RPI, RPT, SCC, SCT.

Recommended: exclude the entire folder ..\CADT\ErpPro\BIN from virus scanning (contains the core ERP processes, incl. BormGPE.exe, BormBV.exe, BGWFStarter.exe, BGToucheScreen.exe, BGScriptExecutor.exe).

