November 2025

California.pro: Hardware and software requirements

This document lists the minimum hardware and software requirements to install and run **California.pro** on the Windows operating system.

Single workstation with SQL Server

Processor	**Processor type:** x64 processor: AMD Opteron, AMD Athlon 64, Intel processor with EM64T-support **Processor speed:** **Minimum:** 1.4 GHz with 2 or more cores **Recommended:** 2 GHz or faster with 4 or more cores
Operating system	Windows 10 1507 or higher Windows 11 (25H2 from **California.pro** **V16**) Windows Server 2016
.NET framework	.Net framework 4.8
Network software	The supported operating systems for **California.pro** have integrated network software. The following SQL Server network protocols are supported: TCP/IP and Named Pipes
SQL Server	Supported: MS SQL Server 2019, MS SQL Server 2022 Supplied: MS SQL Server 2022 Express Edition (requires separate installation) **Recommended**: MS SQL Server 2022 Standard or Standard Runtime
Memory	**Minimum:** 3 GB **Recommended:** Minimum 6 GB, 12 GB when using the BIM module. As the database size increases, the memory should also be expanded to ensure optimal performance
Hard disk	**California.pro** requires at least 8 GB of available hard drive space. The required free hard disk space depends on the number and size of the projects or documents.
Drive	A DVD drive is required if the installation is performed using DVD media.
Monitor	**California.pro** requires a graphics card with a minimum resolution of 1280x1024 pixels.
Authorization	**Administrative rights** on the PC are required at the time of installation.
Virtualization	**California.pro** runs slower on a VM than in a native environment due to the additional virtualization effort.
Internet	The use of some functions (access to awarding platforms, online help etc.) requires an Internet connection

G&W Software AG
www.gw-software.de/
info@gw-software.de
faceboook.com/GundWsoftware

Munich Headquarters
Rosenheimer Str. 141h
81671 Munich
Tel. 089 / 51 506 – 4
Fax 089 / 51 506 - 999

Berlin Branch
Danckelmannstr. 9b
14059 Berlin
Tel. 030 / 42 02 47-7
Fax 030 / 42 02 47-99

Essen Branch
Am Thyssenhaus 1-3
45128 Essen
Tel. 0201 / 6 13 54-0
Fax 0201 / 6 13 54-22

California.pro
AVA-Software by G&W

November 2025

Workstation connected to external database server

Processor	**Processor type:** x64-processor: AMD Opteron, AMD Athlon 64, Intel processor with Intel EM64T-support **Processor speed:** **Minimum:** 1.4 GHz with 2 or more cores **Recommended:** 2 GHz or faster with 4 or more cores
Operating system	Windows 10 1507 or higher Windows 11 (25H2 from **California.pro V16)** Windows Server 2016
.NET Framework	.NET Framework 4.8
Network software	The supported operating systems for **California.pro** have integrated network software. The following SQL Server network protocols are supported: TCP/IP and Named Pipes
Memory	**Minimum:** 3 GB **Recommended:** At least 6 GB
Monitor	**California.pro** requires a graphics card with a minimum resolution of 1280x1024 pixels.
Data backup	Not required at the workstation. The **California.pro** database is regularly backed up by you on the Database Server.
Authorization	**Administrative rights** on the PC are required at the time of installation.
Internet	The use of some functions (access to awarding platforms, online help etc.) requires an Internet connection

Remote workstation (Terminal Services Client)

Operating system	Any operating system on which the remote desktop connection is running.
Monitor	**California.pro** requires a graphics card with a minimum resolution of 1280x1024 pixels.

G&W Software AG
www.gw-software.de/
info@gw-software.de
faceboook.com/GundWsoftware

Munich Headquarters
Rosenheimer Str. 141h
81671 Munich
Tel. 089 / 51 506 – 4
Fax 089 / 51 506 - 999

Berlin Branch
Danckelmannstr. 9b
14059 Berlin
Tel. 030 / 42 02 47-7
Fax 030 / 42 02 47-99

Essen Branch
Am Thyssenhaus 1-3
45128 Essen
Tel. 0201 / 6 13 54-0
Fax 0201 / 6 13 54-22

California.pro
AVA-Software by G&W

November 2025

Database server - MS SQL Server

SQL Server 2022 Express is a free, easy-to-install, limited edition of SQL Server 2022. It is usually sufficient for up to five **California.pro** workstations if the number and size of the projects and documents are not too large. A database can be a maximum of **10 GB in size**. It uses a maximum of **1 GB** of working memory. Only **one processor** is used.

With more than five users of **California.pro**, a higher data volume, or use the BIM module, an SQL Server Standard Edition licence is recommended. This Standard Edition is not included in the **California.pro** licence, but can be purchased from **G&W Software AG** as a cost-effective runtime version.

Processor	**Processor type:** x64 processor: AMD Opteron, AMD Athlon 64, Intel processor with Intel EM64T-support **Processor speed:** **Minimum:** 1.4 GHz with 2 or more cores **Recommended:** 2 GHz or faster with 4 or more cores
Operating system	Windows 10 1507 or higher Windows 11 (24H2 from **California.pro** **V16**) Windows Server 2016
.NET framework	.NET Framework 4.8
Network software	The supported operating systems for **California.pro** have integrated network software. The following SQL Server network protocols are supported for remote workstations: TCP/IP and Named Pipes.
SQL Server	Supported: MS SQL Server 2019, MS SQL Server 2022 Supplied: MS SQL Server 2022 Express Edition (requires separate installation) **Recommended**: MS SQL Server 2022 Standard or Standard Runtime
Memory	**Minimum:** 2 GB **Recommended:** Minimum 4 GB, 8 GB when using the BIM module. As the database size increases, the memory should be expanded for optimal performance.
Hard disk	SQL Server requires at least 8 GB of available hard drive space. The required free hard disk space depends on the number and size of the projects or documents.
Drive	A DVD drive is required if the installation is performed using DVD media.
Data backup	e.g. streamers, backup software that can backup running SQL Server databases.
Authorization	**Administrative rights** on the PC are required at the time of installation.
Virtualization	SQL Server runs slower on a VM than in a native environment due to the additional virtualization effort.

G&W Software AG
www.gw-software.de/
info@gw-software.de
faceboook.com/GundWsoftware

Munich Headquarters
Rosenheimer Str. 141h
81671 Munich
Tel. 089 / 51 506 – 4
Fax 089 / 51 506 - 999

Berlin Branch
Danckelmannstr. 9b
14059 Berlin
Tel. 030 / 42 02 47-7
Fax 030 / 42 02 47-99

Essen Branch
Am Thyssenhaus 1-3
45128 Essen
Tel. 0201 / 6 13 54-0
Fax 0201 / 6 13 54-22

California.pro
AVA-Software by G&W

November 2025

Database Server - Oracle Server

Oracle database servers are only supported with California.pro Enterprise Edition.

Operating system and requirements of the Server	Depends on the requirements of the Oracle database server version
Network software	The supported operating systems for Oracle Server have integrated network software. The following Oracle network protocol is supported: TCP/IP TNSPING < 10 ms
Oracle version	Supported: Version 12.2.01, Version 19c **Recommended**: Version 19c
Character set	Single-byte character set: WE8MSWIN1252 or multi-byte character set: AL32UTF8
Oracle feature	Continuous Query Notification (for multi-user operation)
Authorization	Administrative database rights are required at the time of installation. During initial installation, the password of the Oracle user SYSTEM must be known to the administrator.
Recommendations	Name of tablespace: CALIFORNIA_TS (recommended size: 32 GB) The database server should have already exist and run as a separate instance before **California.pro** is installed.

G&W Software AG
www.gw-software.de/
info@gw-software.de
faceboook.com/GundWsoftware

Munich Headquarters
Rosenheimer Str. 141h
81671 Munich
Tel. 089 / 51 506 – 4
Fax 089 / 51 506 - 999

Berlin Branch
Danckelmannstr. 9b
14059 Berlin
Tel. 030 / 42 02 47-7
Fax 030 / 42 02 47-99

Essen Branch
Am Thyssenhaus 1-3
45128 Essen
Tel. 0201 / 6 13 54-0
Fax 0201 / 6 13 54-22