

# System requirements

## [FP]-LIMS & Microsoft® SQL Server:

Light:	4x CPU cores, 16 GB RAM, drive "C:" with 256 GB capacity (SSD), RAID 1 recommended.
Standard:	6x CPU cores, 24 GB RAM, drive "C:" with 256 GB capacity (SSD), RAID 1 recommended.
Professional:	8x CPU cores, 32 GB RAM, drive "C:" with 256GB capacity (SSD), RAID 1 recommended.
Client PC:	4x CPU cores, 16 GB RAM, drive "C:" with 160 GB capacity (SSD) empfohlen.

## Supported Windows / OS und Microsoft® SQL Server versions:

Any Windows operating system currently in mainstream support (Windows XX Pro, Windows Server XXXX)

Any Microsoft® SQL Server in mainstream support

We recommend an unencrypted database; encryption has a negative impact on the FP-LIMS performance

## Important, please check in advance:

Are all workstations, LIMS servers, SQL servers ready and do we have remote access?

- Remote access via Teamviewer or software approved by the customer
- Please make sure that the remote software, user and password are working correctly

Are all users / passwords for logging on to Windows, [FP]-LIMS, SQL server and remote services known?

- (SA user and password for the SQL server)
- Please ensure that users and passwords are working correctly

Windows user must be local administrator.

Are all measuring devices available for connecting?

Is there a free time slot of several hours in which Fink & Partner can operate freely?

How large is the current database? Less than 8 GB?

- Fink & Partner only supplies Microsoft® SQL Express (free version). For databases larger than 8GB, at least the MSSQL Standard Server is required. This must be provided by the customer.

- Details on the Microsoft® SQL Server editions:

[Editions and supported features of SQL Server 2022 - SQL Server](#)

Microsoft® SSMS (Microsoft® SQL Server Management Studio) is required.

In order for the software to open any type of file, the system where it is installed must provide an application that can handle the corresponding file format.

Microsoft® OLE DB-Driver 18 for SQL Server (or newer) is required.

The ports 1433 TCP, 8080 TCP, 10000 TCP and 11000 TCP must be open in all firewalls, router and switches so that all FP-LIMS modules and the interfaces to the measuring devices work.

Please make sure that the [FP]-LIMS installation directory and database are exclude from your virus scanner to ensure optimal performance.

Microsoft® Visual C++ 2013 Redistributable (x64 & x86) - 12.x

