

LSM SOFTWARE





LSM SOFTWARE FOR EFFECTIVE USE OF INTELLIGENT SYSTEM COMPONENTS

OVERVIEW.

Intelligent components form the core of a digital locking and access control system. The software application is the unifying element which ensures all tasks are completed quickly and conveniently: issuing transponders to new members of staff, programming locking cylinders with current authorisations and viewing access events over the network.

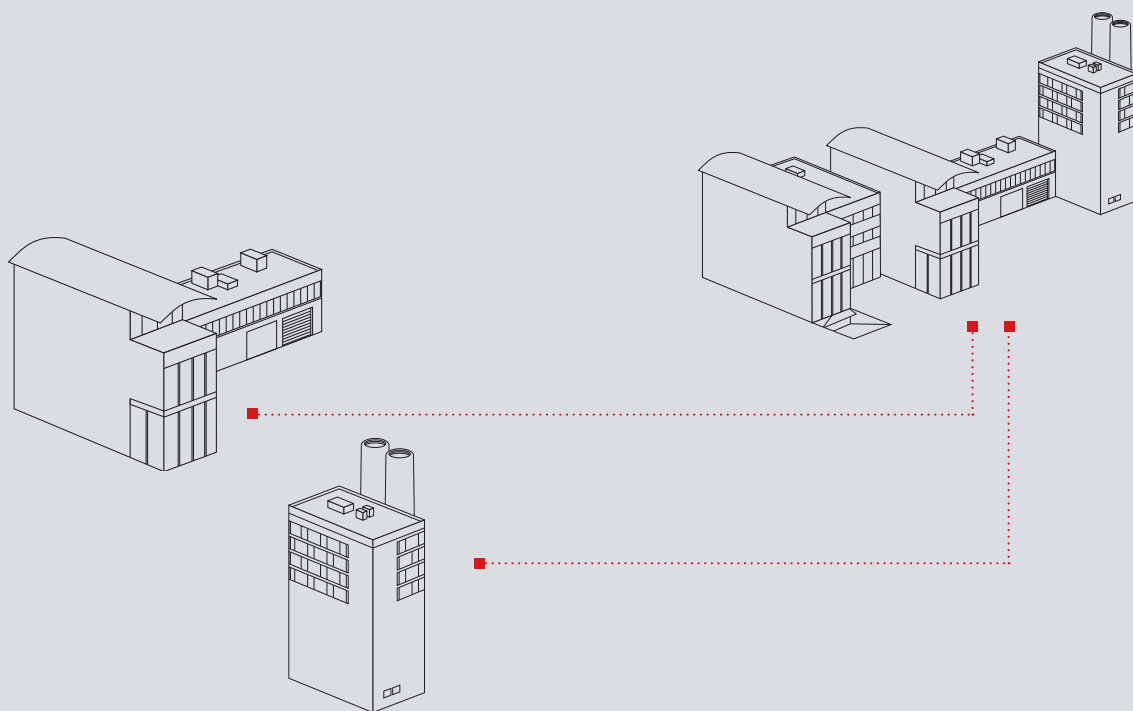
The more complicated requirements are, the more comprehensive the software needs to be. Anyone who needs to perform standard tasks requires just one simple application. A large corporate group with offices all over the world needs a package that offers high performance.

System 3060 allows you to choose the right software from a range of different solutions. Individual versions are all compatible, ensuring future requirements will be met.

FOR SYSTEMS LARGE AND SMALL

Very small systems, particularly those used privately, can be configured quickly at a low cost without the need for a PC or special software by using Programming Transponder 3067.

The Locking System Management (LSM) software is used for all other systems. The software consists of editions and modules brought together to meet your needs and is able to grow to meet your changing requirements. LSM Starter is particularly suitable for systems with up to 20 doors and 100 users. LSM Basic Edition is sufficient to manage locking plans in small to medium-sized systems easily. You can upgrade from basic locking plan software to administration software with the LSM 'Business' and 'Professional' editions: database-based, multi-user- and multi-client-enabled solutions with an integrated reporting function. When it comes to access control systems with several locations, using a WaveNet Radio Network will simplify administrative work and provide a considerable cost benefit.



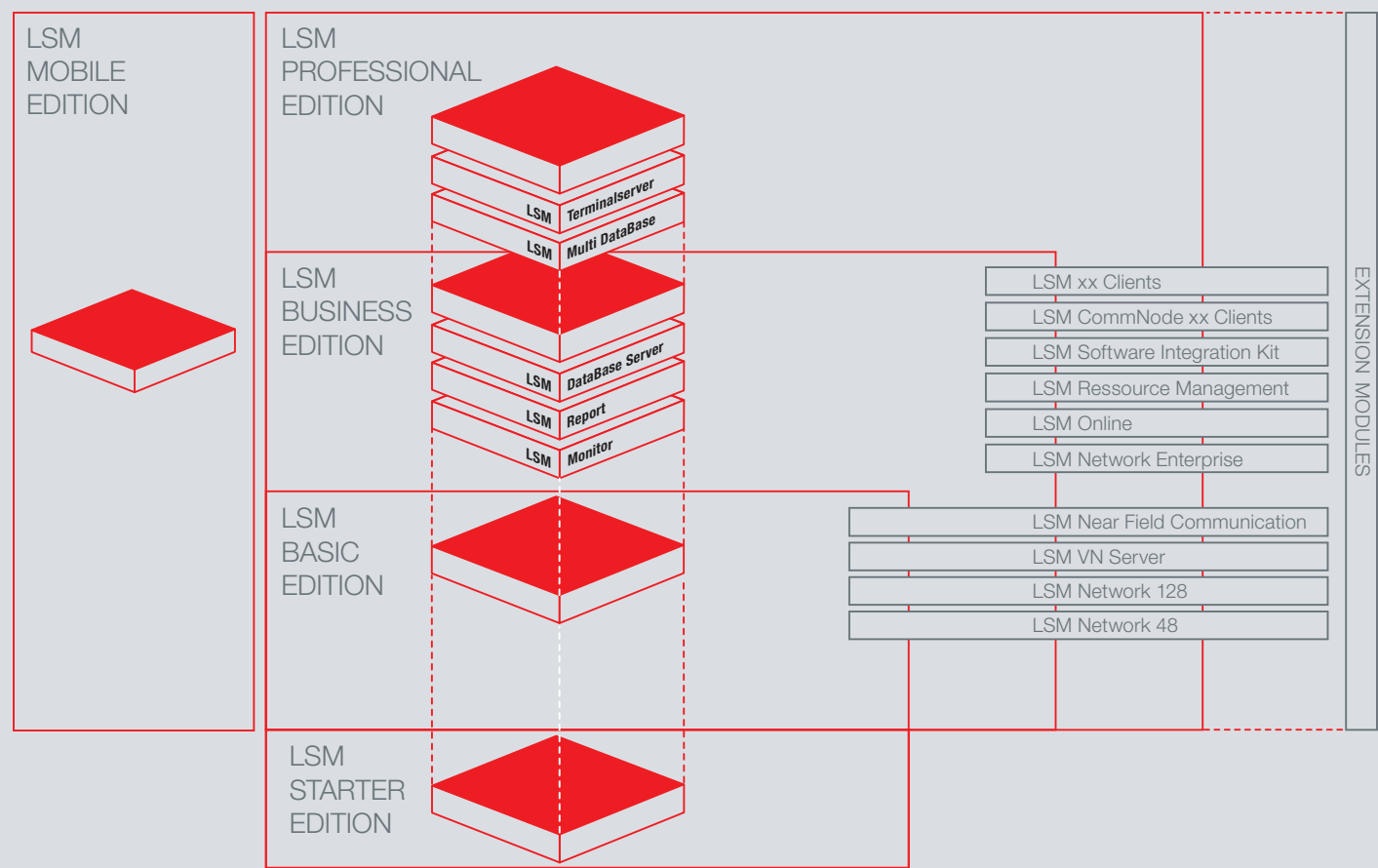
BASIC STRUCTURE

- ⌘ LSM provides a basic data structure which grows to match your system as it increases in size. There are different components and modules which can enhance and extend the existing installation by adding new functions and increasing performance.
- ⌘ The database engine: LSM Business Edition is based on a renowned database server, which is simple to install and creates no additional administrative work. It guarantees data security and program stability and performance.
- ⌘ Communication nodes establish connections to existing programming devices and networks. They process tasks and events.
- ⌘ The user program with a graphical user interface (GUI) is installed on all clients. The graphical user interface allows you to view and edit locking plan structures on different screens featuring a compressed or detailed format.

INTERFACES

- ⌘ Database for read access
- ⌘ Interfaces to the PDA database and to the Event Agent
- ⌘ Messaging interface for sending text messages and emails
- ⌘ ASCII interface
- ⌘ LDAP interface for import
- ⌘ Software Integration Kit (SIK) to exchange data with third-party systems (details on request)

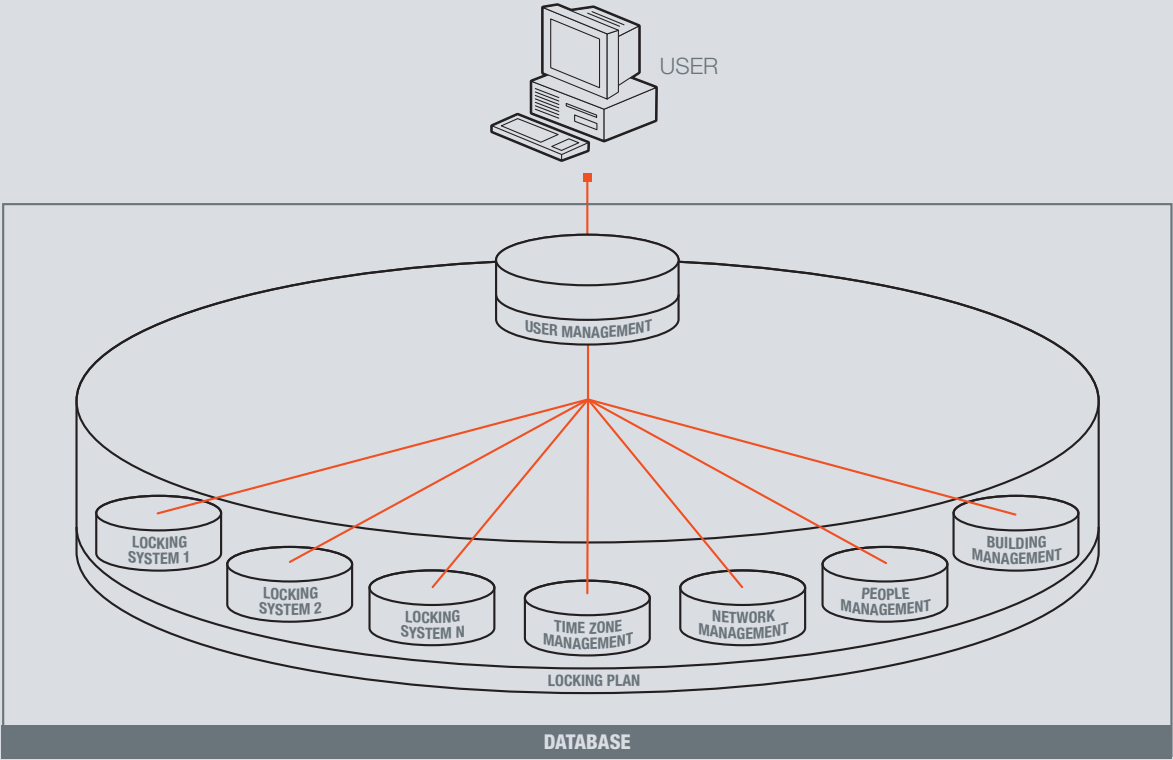
LSM SOFTWARE EDITIONS AND MODULES OVERVIEW



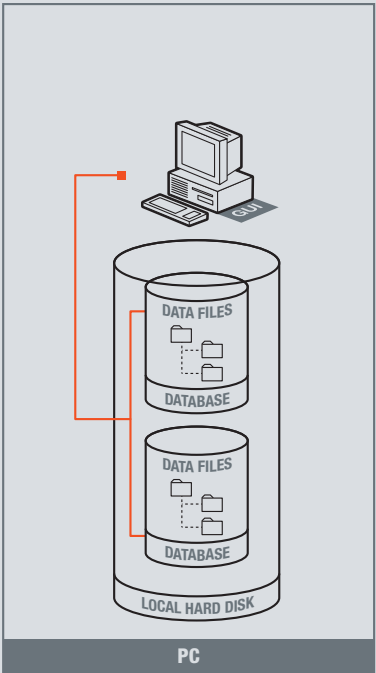
LSM SOFTWARE EDITIONS AND MODULES OVERVIEW

LSM MODULE	LSM EDITIONS				LSM DEMO VERSIONS	
	Starter	Basic	Business	Professional	Basic	Business
LSM Basic Functions	●	●	●	●	●	●
LSM Monitor	X	○	●	●	●	●
LSM Report	X	○	●	●	●	●
LSM Database Server	X	○	●	●	X	●
LSM Network 48	X	○	○	○	X	●
LSM Network 128	X	○	○	○	X	●
LSM Network Enterprise	X	X	○	○	X	●
LSM Near Field Communication	X	○	●	●	●	●
LSM VN Server	X	○	○	○	X	●
LSM Online	X	X	○	○	X	●
LSM Resource Management	X	X	○	○	X	●
LSM Comm Node 05 Clients	X	X	○	○	X	X
LSM Comm Node 10 Clients	X	X	○	○	X	X
LSM Comm Node Enterprise	X	X	○	○	X	X
LSM Software Integration Kit	X	X	○	●	X	X
LSM Multi Database	X	X	○	●	X	X
LSM Terminal Server	X	X	○	●	X	X
LSM 03 Clients	X	X	○	○	X	X
LSM 05 Clients	X	X	○	○	X	X
LSM 10 Clients	X	X	○	○	X	X
LSM 25 Clients	X	X	○	○	X	X
LSM 50 Clients	X	X	○	○	X	X
Additional clients on request						
LSM Mobile Edition	○	○	○	○	X	X
● Included ○ Available as option X Not available						

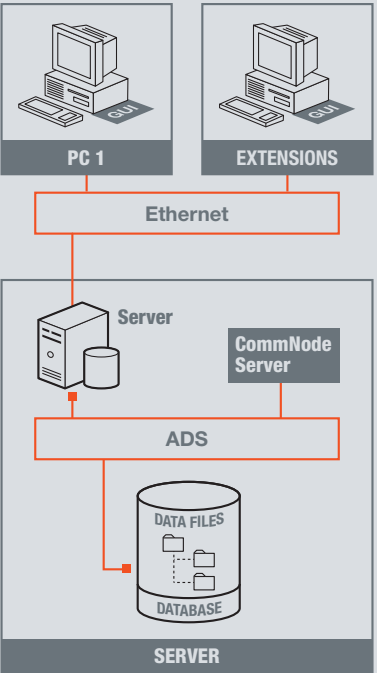
LSM SOFTWARE CONCEPTS AND TOPOLOGIES



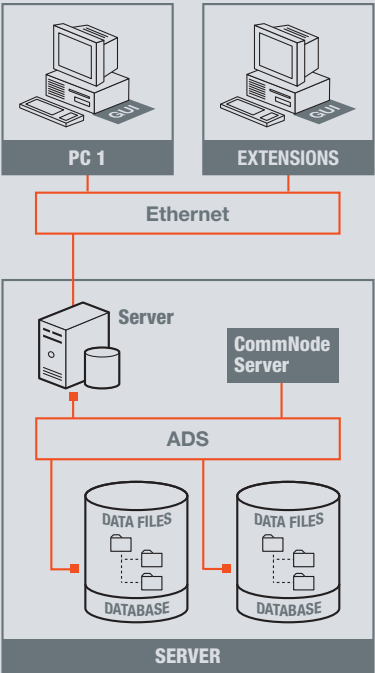
LSM BASIC EDITION



LSM BUSINESS EDITION



LSM PROFESSIONAL EDITION



GUI: graphical User Interface
ADS: Advantage Database Server

LSM SOFTWARE EDITIONS



LSM STARTER EDITION

Single-user version, no network administration, local installation of software and data on one computer, no extension based on modules

- ⌘ G2 lock systems (100 transponders, 20 locking devices, 100 time zones)
- ⌘ Active and passive systems (no mixed operation)
- ⌘ Functions:
 - individual authorisations for transponders or smart cards
 - Data exchange with portable terminal devices (PDA, netbook, tablet PC)
- ⌘ Upgrade to LSM Basic possible

LSM BASIC EDITION.

Single-user version, no network administration, local installation of software and data on one computer

- ⌘ G1 locksystems
(8,000 transponders, 16,000 locks, 5+1 time zones)
- ⌘ G2 lock systems
(64,000 transponders, 64,000 lock devices, 100 timezones)

Functions:

- ⌘ Transponder groups
- ⌘ Areas for mapping building and organisational structures (first level)
- ⌘ Use of multiple lock systems
- ⌘ Transfer of existing locking plans (import)
- ⌘ Data exchange with portable terminal devices (PDA, netbook, tablet PC)
- ⌘ Basis for further system expansion

LSM BUSINESS EDITION

Same functions as LSM Basic, includes
Monitor (logging, audit-compliant), Report and Database modules

LSM PROFESSIONAL EDITION

Same functions as LSM Business, extended by adding option of using several databases on the server and operating in a terminal server environment

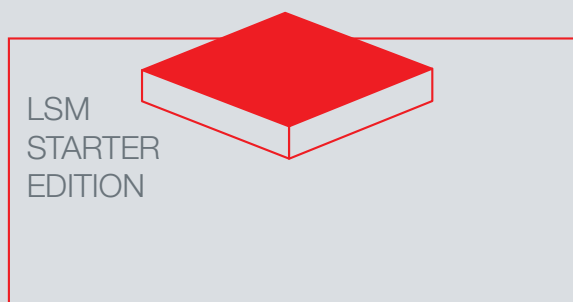
LSM MOBILE EDITION

For programming with a portable terminal device (PDA, netbook, tablet PC)

SERVICE LEVEL AGREEMENT STANDARD AND PREMIUM.

Modern software solutions offer a whole range of functions that make everyday life simpler. But even with intensive training and day-to-day experience of using the software, problems can still arise. You are guaranteed a quick solution with our various support levels (Service Level Agreement – SLA). With 'SLA Standard' you receive helpline user support for LSM. If you enter into an 'SLA Premium' agreement, you will receive additional online support and automatic LSM software updates. You must enter into one of these service level agreements for LSM.BUSINESS and LSM.PROFESSIONAL.

LSM STARTER EDITION



SHORT PRODUCT DESCRIPTION

Many software packages guide users through a large number of masks. LSM Starter Edition contains just the matrix screen, where you can access all other dialogues by clicking on the item. There are step-by-step wizards or a simple, one-click solution for standard tasks such as creating a new ID medium or configuring a new door.

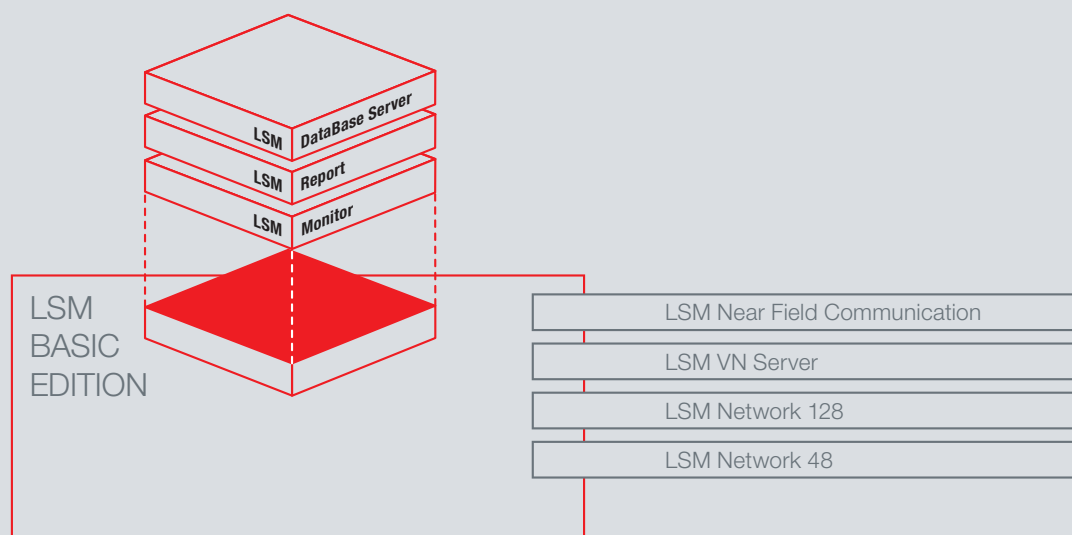
SYSTEM SPECIFICATIONS AND INTERDEPENDENCIES WITH OTHER PRODUCTS

LSM Starter allows you to programme SimonsVoss components offline. It supports the current G2 protocol generation and can manage both projects with passive cards and active transponders.

TECHNICAL SPECIFICATIONS

- ⌘ Supported operating systems Windows XP, Vista, Windows 7 and Windows 8
- ⌘ Integrated database: ADS
- ⌘ Number of doors: max. 20
- ⌘ Number of media: max. 100
- ⌘ Active media: SimonsVoss G2 transponders
- ⌘ Passive media MIFARE® Classic and MIFARE® DESFire
- ⌘ Upgrade to LSM Basic, LSM Business and LSM Professional Edition possible at any time

LSM BASIC EDITION MODULES



MODULES FOR LSM BASIC EDITION

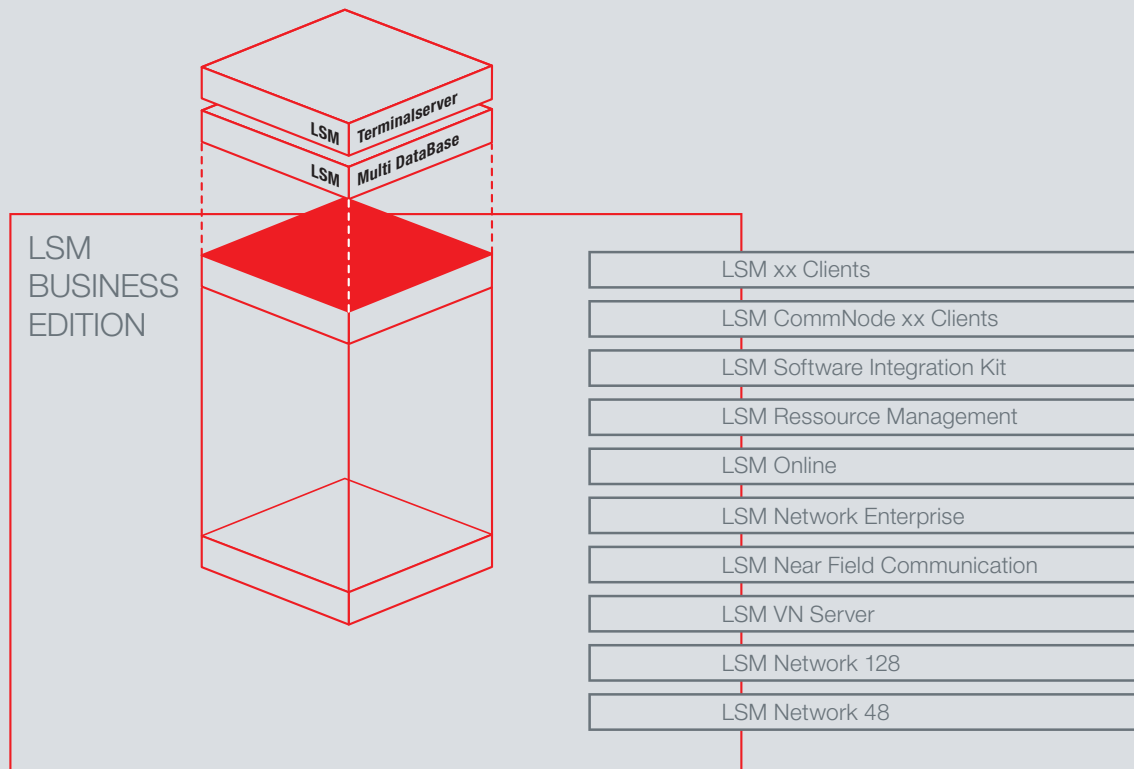
The following extension modules can be ordered for LSM Basic Edition:

- ⌘ LSM NETWORK 48:
Network functionality for a maximum of 48 networked components
- ⌘ LSM NETWORK 128:
Network functionality for a maximum of 128 networked components
- ⌘ LSM VN SERVER:
Virtual network, automatic distribution of authorisation information in the G2 system via gateways and transponders to ensure easy SimonsVoss system administration SimonsVoss systems
- ⌘ LSM NEAR FIELD COMMUNICATION:
To upgrade to include NFC technology in conjunction with a smart phone

EXTENSION MODULES

- ⌘ LSM MONITOR:
Logging of system changes in the software (audit compliance)
- ⌘ LSM REPORT:
Comprehensive reporting system for displaying locking system information, such as the transponder issue log and the authorisation list per transponder or locking device
- ⌘ LSM DATABASE SERVER:
Database server, hierarchical view and inheritance of authorisations, user roles; network capability for a customer's LAN, client-server operation, multi-user capability (simultaneous access), communication nodes on other computers

LSM BUSINESS EDITION MODULES



MODULES FOR LSM BUSINESS EDITION.

Same functions as LSM Basic Edition.

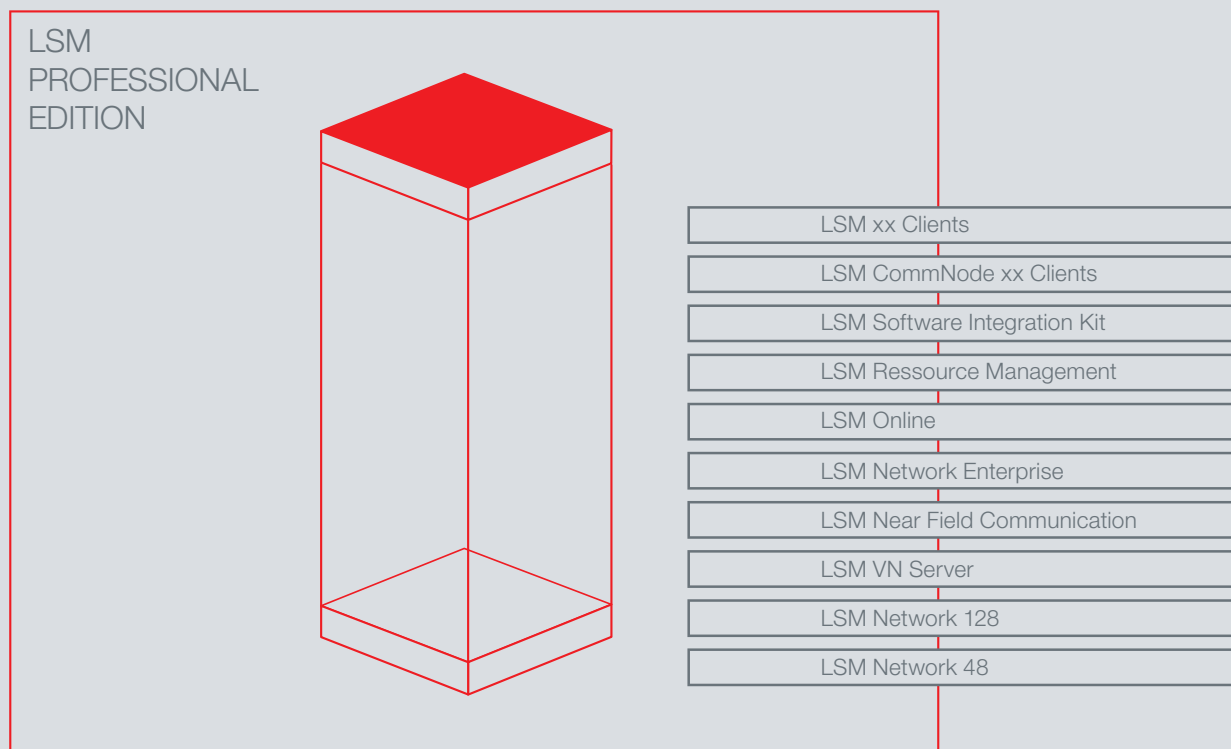
Includes modules LSM Monitor, LSM Report and LSM Database Server. An SLA must be entered into. The following extension modules can also be ordered:

- ⌘ LSM NETWORK 48/128:
Network functionality for a maximum of 48 or 128 networked Components
- ⌘ LSM VN SERVER:
Virtual network, automatic distribution of authorisation information in the G2 system via gateways and transponders for easy SimonsVoss system administration
- ⌘ LSM NEAR FIELD COMMUNICATION:
To upgrade to include NFC technology in conjunction with a smart phone
- ⌘ LSM NETWORK ENTERPRISE:
Network functionality for any large number of networked components
- ⌘ LSM ONLINE:
Only in combination with one of the LSM.NW-xx network modules; task management, alert management, event management, access to SimonsVoss Event Agent, text messaging functions, e-mail functions. The LSM Online module is required if you wish to use network functions at all workstations
- ⌘ LSM SOFTWARE INTEGRATION KIT
Software interface to link third-party systems
- ⌘ LSMRESOURCE MANAGEMENT:
Time restriction on authorisations. Prerequisite: LSMONLINE
- ⌘ LSM COMM NODE XX CLIENTS/
LSM COMM NODE ENTERPRISE:
Activation of SimonsVoss hardware components from up to 5/10 computers or from an unlimited number of computers without graphical user interface (GUI) using additional software
- ⌘ LSM 03 CLIENTS:
First database licence extension to include 3 more workstation installations, making a total of 4 workstations
- ⌘ LSM XX CLIENTS:
Database licence extension to include 5/10/25 or 50 more workstations; prerequisite: LSM 03Clients

EXTENSION MODULES

- ⌘ LSM MULTI DATABASE:
Use of a number of different LSM databases
- ⌘ LSM TERMINAL SERVER:
Use of LSM in a terminal server environment

LSM PROFESSIONAL EDITION MODULES



MODULES FOR LSM PROFESSIONAL EDITION.

Same functions as LSM Business Edition.

Includes LSM Terminal Server and LSM Multi Database modules.

An SLA must be entered into. The following extension modules can also be ordered:

- ⌘ LSM NETWORK 48 /128:
Network functionality for a maximum of 48 or 128 networked Components
- ⌘ LSM VN SERVER:
Virtual network, automatic distribution of authorisation information in the G2 system via gateways and transponders for easy SimonsVoss system administration
- ⌘ LSM NEAR FIELD COMMUNICATION:
To upgrade to include NFC technology in conjunction with a smart phone
- ⌘ LSM NETWORK ENTERPRISE:
Network functionality for any large number of networked components
- ⌘ LSM SOFTWARE INTEGRATION KIT
Software interface to link third-party systems
- ⌘ LSM ONLINE:
Only in combination with one of the LSM.NW-xx network modules; task management, alert management, event management, access to SimonsVoss Event Agent, text messaging functions, e-mail functions. The LSM Online module is required if you wish to use network functions at all workstations
- ⌘ LSM RESSOURCE MANAGEMENT:
Time restriction on authorisations. Prerequisite LSM OONLINE
- ⌘ LSM COMM NODE XX CLIENTS/
LSM COMM NODE ENTERPRISE:
Activation of SimonsVoss hardware components from up to 5/10 computers or from an unlimited number of computers without graphical user interface (GUI) using additional software
- ⌘ LSM 03 CLIENTS:
First database licence extension to include 3 more workstation installations, making a total of 4 workstations
- ⌘ LSM XX CLIENTS:
Database licence to include 5/10/25 or 50 more workstations; prerequisite: LSM 03 Clients

LSM SOFTWARE EDITIONS AND MODULES

PRODUCT VERSIONS

SOFTWARE EDITIONS

LSM Starter Edition software for installation on a PC/laptop (please note system requirements)	LSM.STARTER
Software LSM Basic Edition for installation on a PC/laptop (please note system requirements)	LSM.BASIC
Software LSM Business Edition for installation on a PC/laptop (please note system requirements)	LSM.BUSINESS
Software LSM Professional Edition for installation on a PC/laptop (please note system requirements)	LSM. PROFESSIONAL
Software LSM Mobile Edition for installation on a portable terminal device (please note system requirements)	LSM.MOBILE

SOFTWARE MODULES FOR LSM BASIC

LSM Monitor module Module to log system changes in the software (audit compliance)	LSM.MONITOR
LSM Report module Module to add extensive reporting	LSM.REPORT
LSM Network 48 module Module to extend network functionality to cover a maximum of 48 networked components	LSM.NW-48
LSM Network 128 module Module to extend network functionality to cover a maximum of 128 networked components	LSM.NW-128
LSM VN Server module Module to add G2 'virtual networking' functions; automatic distribution of authorisation information to the G2 system via gateways and transponders for easy SimonsVoss system administration. Hardware and software components must support G2	LSM.VN
LSM Near Field Communication module To upgrade to include NFC technology in conjunction with a smart phone	LSM.NFC
LSM Database Server module, GUI installation on one workstation (PC/laptop), client-server operation; includes Comm Node Server, multi-user capability, multi-client capability, user roles, functions: transponder groups and areas to map building and organisational structures, use of several locking systems, data exchange with portable terminal devices (PDAs/netbooks); prerequisite are LSM.MONITOR and LSM.REPORT modules; installation by certified SimonsVoss dealer only; a service level agreement (SLA) must be entered into	LSM.DB
LSM Database Server, same functions as LSM.DB; to install GUI on up to four workstations	LSM.DB-005
LSM Database Server, same functions as LSM.DB to install GUI on up to nine workstations	LSM.DB-010
LSM Database Server, same functions as LSM.DB to install GUI on up to xx workstations	LSM.DB-0xx

LSM SOFTWARE SYSTEM REQUIREMENTS

GENERAL INFORMATION

- ⌘ Local administrator rights for installation
- ⌘ Communication: TCP/IP (Net Bios active), LAN
(Recommended: 100 MBit)
- ⌘ Windows domain
- ⌘ Name resolution
- ⌘ .NET Framework 2.0 min., 3.5 recommended
- ⌘ MS ActiveSync 4.2 in combination with a pocket PC
- ⌘ RS-232 and/or USB port

CLIENT

(LSM STARTER, LSM BASIC, LSM BUSINESS,
LSM PROFESSIONAL)

Minimum hardware requirements

- ⌘ Monitor min. 19" (48 cm) (or larger for matrix view display)
- ⌘ Screen resolution at least 1024x768; recommended:
1280x1024
- ⌘ Processor: at least 2.66 GHz (or faster)
- ⌘ At least 2 GB RAM (or more)
- ⌘ Hard disk size: 500 MB (about 1 GB during installation);
database depends on the processed data (about 30 MB)
- ⌘ MS Windows XP Prof. SP3
- ⌘ MS Windows Vista (Business, Enterprise, Ultimate),
32 or 64 bit
- ⌘ MS Windows 7 (Professional, Enterprise, Ultimate),
32 or 64 bit
- ⌘ MS Windows 8 (Professional, Enterprise),
32 or 64 bit

SERVER

(DATABASE SERVER FOR LSM BUSINESS EDITION OR
HIGHER)

Minimum hardware requirements

- ⌘ Processor: at least 2.66 GHz (or faster)
- ⌘ At least 2 GB RAM (or more)
- ⌘ Hard disk application capacity approx. 300 MB (approx. 500 MB
during installation); database depends on the volume of data to be
processed (approx. 30 MB)
- ⌘ MS Windows Server 2003
- ⌘ MS Windows Server 2008
- ⌘ MS Windows Server 2008 R2
- ⌘ .NET Framework at least 3.5 when using the Comm Node Server
- ⌘ Server-based application: needs to be enabled for the ADS server
for the database directory