

# Licensing

## Licensing procedure of SINUMERIK Runtime Options

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[siemens.com/automation/license](https://www.siemens.com/automation/license)

# Machine tool builder choose necessary options during machine setup and licensing it in the end of production

1. CNC Software on Memory card



2. Select necessary options by using Test- & Trail License



Option	Set	Licensed
RF1CC/EXPD External position display 6FC5808-0AN64-0YB0	<input type="checkbox"/>	<input type="checkbox"/>
RF1CC/RODI robotic drive interface 6FC5808-0AN65-0YB0	<input type="checkbox"/>	<input type="checkbox"/>
RF1CC/SYM10 synchronise motion 6FC5808-0AN66-0YB0	<input type="checkbox"/>	<input type="checkbox"/>
RF1CC/FRIC Friction compensation 6FC5808-0AN67-0YB0	<input checked="" type="checkbox"/>	<input type="checkbox"/>
RF1CC/DTOL differential tower transformation 6FC5808-0AN68-0YB0	<input type="checkbox"/>	<input type="checkbox"/>
Technology function AN70 (reserved) 6FC5808-0AN70-0YB0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Technology function AN71 (reserved) 6FC5808-0AN71-0YB0	<input type="checkbox"/>	<input type="checkbox"/>
Technology function AN72 (reserved) 6FC5808-0AN72-0YB0	<input type="checkbox"/>	<input type="checkbox"/>
RF1CC/GRED Geometric redundancy axes 6FC5808-0AN73-0YB0	<input type="checkbox"/>	<input type="checkbox"/>
RF1CC/VCI Volumetric Compensation Interface 6FC5808-0AN74-0YB0	<input type="checkbox"/>	<input type="checkbox"/>
RF1CC/UCI Universal Compensation Interface 6FC5808-0AN75-0YB0	<input type="checkbox"/>	<input type="checkbox"/>
RF1CC/PRIG Path Related Impuls Generation 6FC5808-0AN76-0YB0	<input type="checkbox"/>	<input type="checkbox"/>

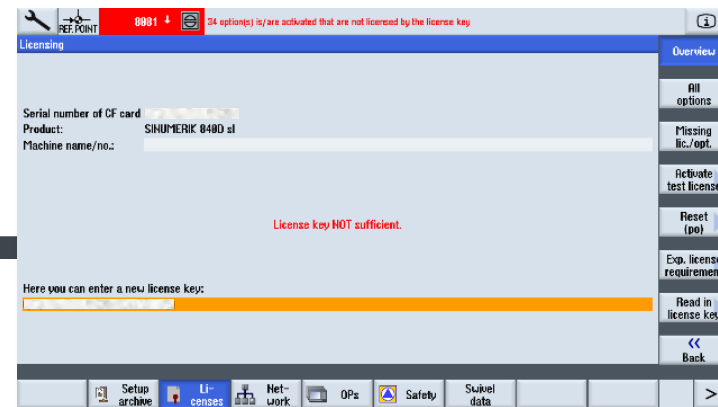
3. Order selected Licenses



4. Generate License Key in WLM



5. Transfer License Key to CNC



**Evaluate which options are  
needed**

**SINUMERIK 840Dsl  
SINUMERIK ONE**

# SINUMERIK Operate supports evaluation which options / licenses are needed with Test License

**SINUMERIK Operate**

8080 ↓ Es wurde(n) 26 Option(en) gesetzt und kein License Key zur Lizenzierung eingegeben

Lizenzierung

Seriennummer SD-Card: S4GSG

Produkt: SINUMERIK ONE

Maschinenname/-nr.:

License Key ist NICHT ausreichend!

Aktiver License Key:

Testlizenz aktivieren

Übersicht

Alle Optionen

Fehlende Liz./Opt.

Reset (po)

Lizenzbedarf exportieren

License Key einlesen

Zurück

IBN Archive | **Lizenzen** | Netzwerk | OPs | Safety

## Test- & Trail License for SINUMERIK

- Test license is a standard function included in CNC software
- NC start interlock (alarm 8081) can be revoked for a limited time period
- Evaluating CNC functions / Runtime Options during machine setup, development & test for free
- Remaining test period time is shown in SINUMERIK Operate (alarm 8084)

# SINUMERIK Operate supports during evaluation which options / licenses are needed

**SINUMERIK Operate**

8080 ↓ Es wurde(n) 26 Option(en) gesetzt und kein License Key zur Lizenzierung eingegeben

Lizenzierung

Seriennumm  
Produkt:  
Maschinenna

Aktiver License Key:

Import License Key

Übersicht

Alle Optionen

Fehlende Liz./Opt.

Testlizenz aktivieren

Reset (po)

Lizenzbedarf exportieren

License Key einlesen

Zurück

IBN Archive Lizenzen Netzwerk OPs Safety

## Functions for Licensing

- List of all Runtime options
- Overview of all options without a licenses
- Export all required licenses to .alm File
- Import License key

**Further information to orders,  
delivery forms and  
License key generation**

**SINUMERIK 840Dsl  
SINUMERIK ONE**

# Further information to License key generation and delivery forms of CoL's

In Siemens Online Support there are further information

License key generation with Web License Manager and Delivery forms

<https://support.industry.siemens.com/cs/ww/en/view/109782608>

Link to Web License Manger

<https://siemens.com/automation/license>

All information about Online Software Delivery (interesting for electronic CoL)

<https://support.industry.siemens.com/cs/ww/en/view/109759444>

**Transfer License key,  
generated by  
Web License Manager,  
to CNC controller**

**SINUMERIK 840Dsl  
SINUMERIK ONE**



# SINUMERIK Operate supports to transfer License key to CNC controller

SINUMERIK Operate

### Precondition

- License key was generated by Web License Manager
- License key is available **for SINUMERIK ONE**
  - .zip file
- License key is available **for SINUMERIK 840D si**
  - .alm file
  - .txt file



# SINUMERIK Operate supports to transfer License key Option B) Licensing via USB stick or network storage

### SINUMERIK Operate

The screenshot shows the SINUMERIK Operate licensing interface. On the left, a file selection dialog is open, displaying a list of license files. A yellow callout box points to the first file, 'LK\_S4GSG8JD42JHBKWB.zip', with the text 'Select suitable license file on USB-Stick or network storage'. Another yellow callout box points to the 'OK' button at the bottom right of the dialog, with the text 'Confirm with OK'. A red error message at the top left reads: '8080 Es wurde(n) 26 Option(en) gesetzt und kein License Key zur Lizenzierung eingegeben'. On the right, the main licensing screen shows the 'Lizenzierung' (Licensing) section. A yellow callout box points to the 'Aktiver License Key' field, which contains a license key, with the text 'Action was successful'. Below this, a green message box states 'License Key ist ausreichend'. The interface includes a top status bar with '8080' and a red error icon, a left sidebar with navigation icons, and a bottom taskbar with icons for 'IBN Archive', 'Lizenzen', 'Netzwerk', 'OPs', and 'Safety'.

**8080** Es wurde(n) 26 Option(en) gesetzt und kein License Key zur Lizenzierung eingegeben

Lizenzierung

Seriennummer SD-Card: S4GSG8JD42JHBKWB  
Produkt: SINUMERIK ONE

License Key einlesen: Datei/Verzeichnis auswählen

File Name	Size	Date	Time
LK_S4GSG8JD42JHBKWB.zip	2564	10.09.19	17:39:00
LK_S4GSG8JD42JHBKYM.zip	3458	27.05.19	09:27:20
LK_S4T9G8JD43JFVB3H.zip	2566	10.09.19	17:39:00
LK_S4T9G8JD43JFVB3R.zip	2561	10.09.19	17:39:00
LR_S4GSG8JD41MQM6RK.pdf	988292	10.12.18	12:52:52
LR_S4GSG8JD41MQM6S8.pdf	988294	10.12.18	12:43:44
LR_S4GSG8JD42JHBKWA.pdf	988296	10.12.18	12:46:54
LR_S4GSG8JD42JHBKXH.pdf	988296	10.12.18	12:51:14
LR_S4GSG8JD42JHBKY.pdf	988297	10.12.18	2:48:54
LR_S4GSG8JD42JHBKZ.pdf	988297	10.12.18	2:50:14
LR_S4GSG8JD42JHBKZ8.pdf	988297	10.12.18	12:53:22

Suchen ▶

Abbruch

OK

Fahrbewegung 4 Achsen

Lizenzierung

Seriennummer SD-Card: S4GSG8JD42JHBKWB  
Produkt: SINUMERIK ONE  
Maschinenname/-nr.:

**Action was successful**

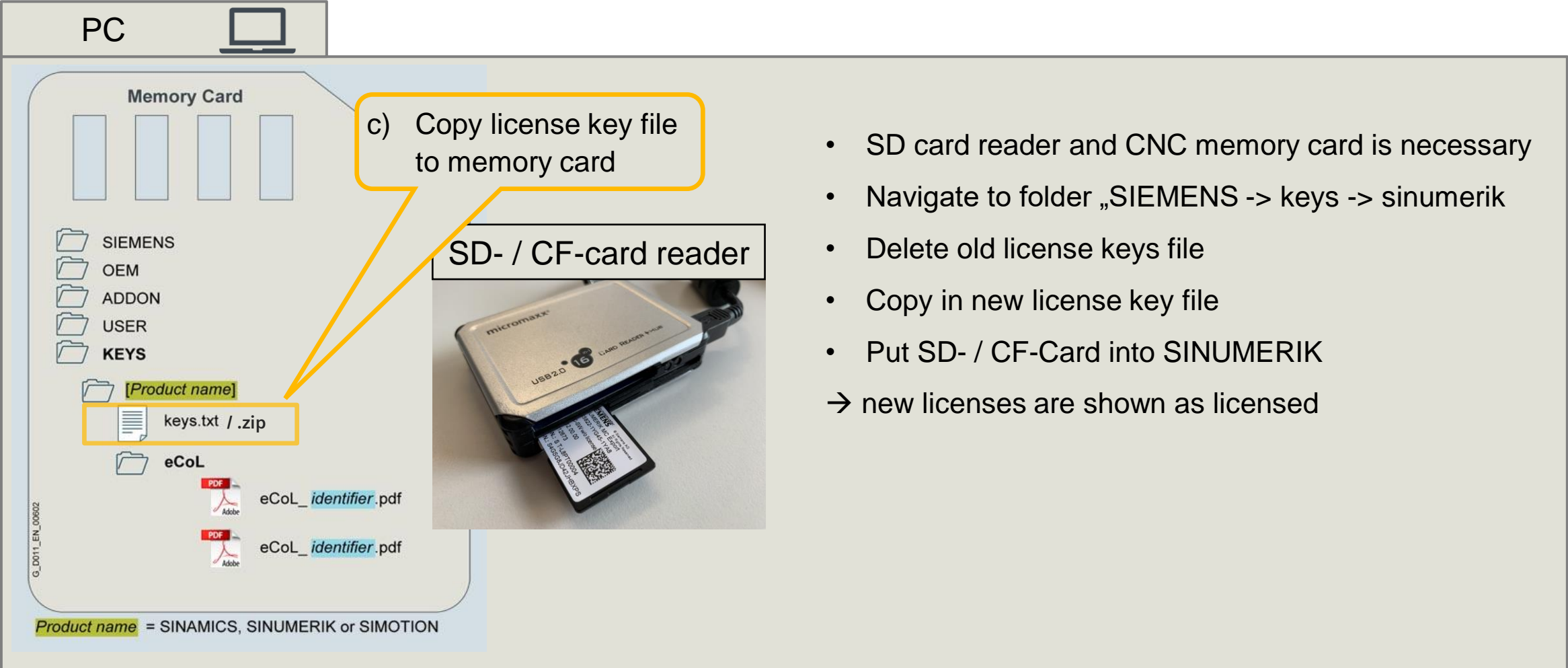
License Key ist ausreichend

Aktiver License Key:

IBN Archive | **Lizenzen** | Netzwerk | OPs | Safety

# SINUMERIK Operate supports to transfer License key

## Option C) copy License key to CNC memory card



The diagram illustrates the process of copying license keys to a memory card. It shows a PC window with a file explorer view of a memory card. The file structure is as follows:

- Memory Card
  - SIEMENS
  - OEM
  - ADDON
  - USER
  - KEYS
    - [Product name]
      - keys.txt / .zip
      - eCoL
        - eCoL\_identifier.pdf
        - eCoL\_identifier.pdf

A yellow callout box points to the 'keys.txt / .zip' file with the text: "c) Copy license key file to memory card". A black callout box points to the SD card reader with the text: "SD- / CF-card reader".

**SD- / CF-card reader**

**micromaxx**  
USB2.0 16 L1480 READER 4-IN-1

**Product name** = SINAMICS, SINUMERIK or SIMOTION

G\_D011\_EN\_00902

- SD card reader and CNC memory card is necessary
  - Navigate to folder „SIEMENS -> keys -> sinumerik
  - Delete old license keys file
  - Copy in new license key file
  - Put SD- / CF-Card into SINUMERIK
- new licenses are shown as licensed

**Service case –  
defect memory card**

**SINUMERIK 840Dsl  
SINUMERIK ONE**

# SINUMERIK Test license supports during service case – defect memory card



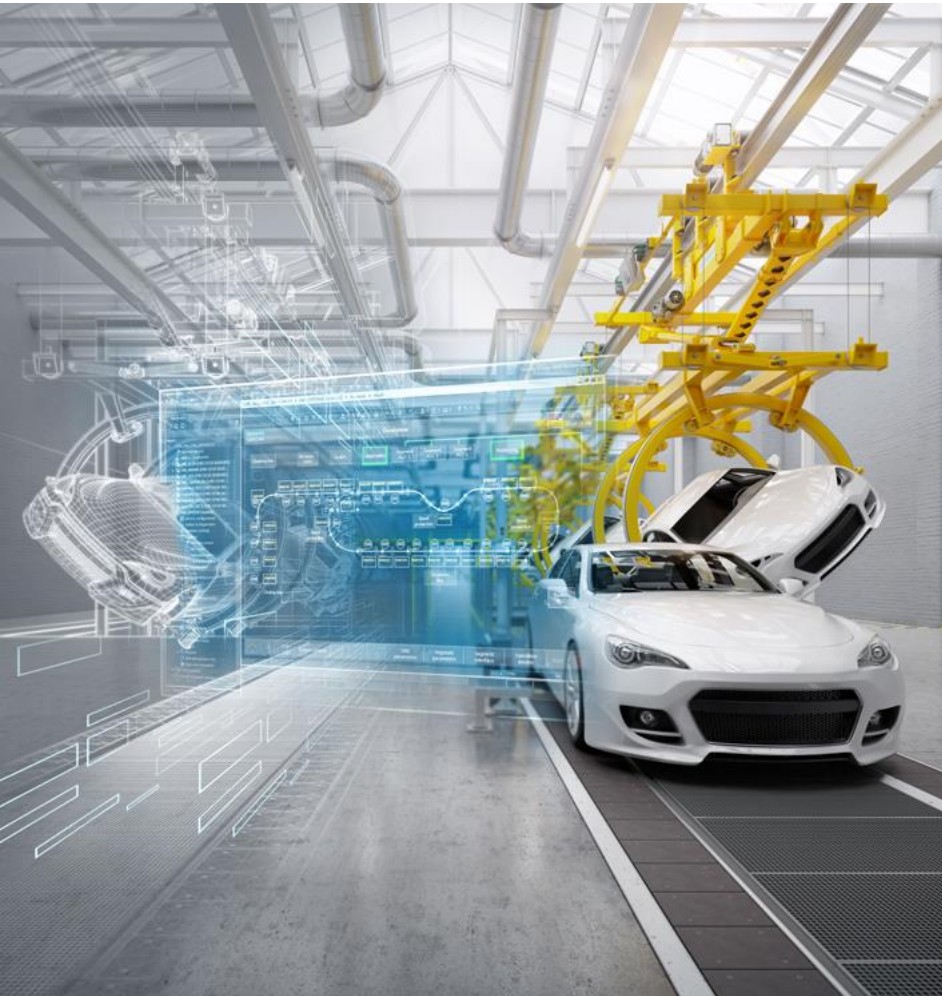
## Precondition for fast service

- Memory card with CNC Software without license is available. Preferred version: 6FC585+-1+**G**++--+YA**8** \*) (“+” = depends on application). Further information: <https://support.industry.siemens.com/cs/ww/en/view/109738332>
- Complete setup archive of CNC is available

## How to restart the production:

- 1) Restart CNC controller with new memory card and activate **Trail- & Test License**. All Runtime options are usable for defined time period.
- 2) Use backup- and archive files to restore the controller.
- 3) Production can restart.
- 4) Afterwards, Technical support helps to shift licenses from old memory card to the new card. (hardware serial no. of defect & serial no. of new card is necessary)

**Get a new memory card by contact sales represented.**



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