

S7-To-Excel-Tool



Documentation for version 2.0.0.0

Summary

The S7-To-Excel-Tool generates an Excel file with process data from a SIMATIC-S7.

Appearance and format (formulas etc.) of the Excel file will be created as a template in the form of an Excel file.

The template contains all the information such as:

- Target directory
- Target file including format specifications for date and time
- Connection parameters to the PLC
- Addresses of the PLC variable
- The condition for generating the target file

This information is stated by means of key words in a random position in the Excel worksheet. Variables from the PLC appear in the same position (cell) on the destination file where the relevant variable address was entered.

Features of the Editions

In version 1.x you can only replace the PLC variables.

With version 2.x you can now append sheets dynamically in horizontal and vertical direction by using regions.

Feature	Standard	Advanced	Expert	Evaluation
Trigger based log file creation	x	x	x	x
Maximum number of channels	1	1	1	1
Maximum number of triggers	1 / Sheet	1 / Sheet	1 / Sheet	1 / Sheet
Interval trigger	x	x	x	x
Value change trigger	x	x	x	x
Boolean trigger	x	x	x	x
Conditional / edge trigger	x	x	x	x
Append Sheet by region(s)			x	x
Maximum number of variables	100	unlimited	unlimited	unlimited

Working with Worksheets

The Excel file can contain any number of worksheets.

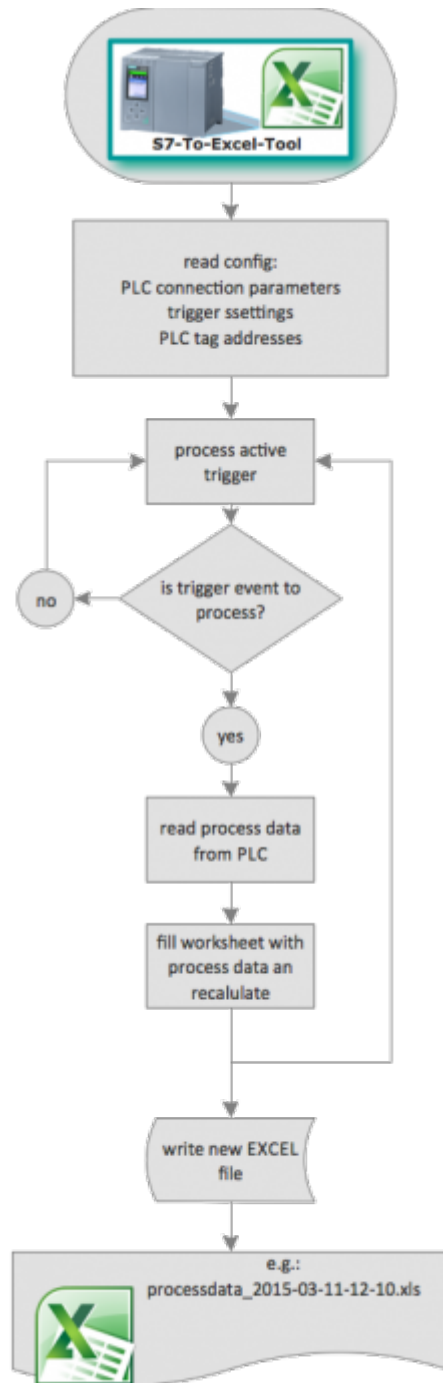
However, there are names for worksheets that are specifically reserved for the S7-To-Excel-Tool:

Worksheet name	use
PLC Connection	contains the connection parameters to the PLC such as IP address, rack, slot, and the properties for saving

Otherwise, you can take any name for a worksheet.

The processing / updating is controlled by a trigger (= event in the PLC or time interval) for each worksheet.

Process of the S7-To-Excel-Tool



sample:
template

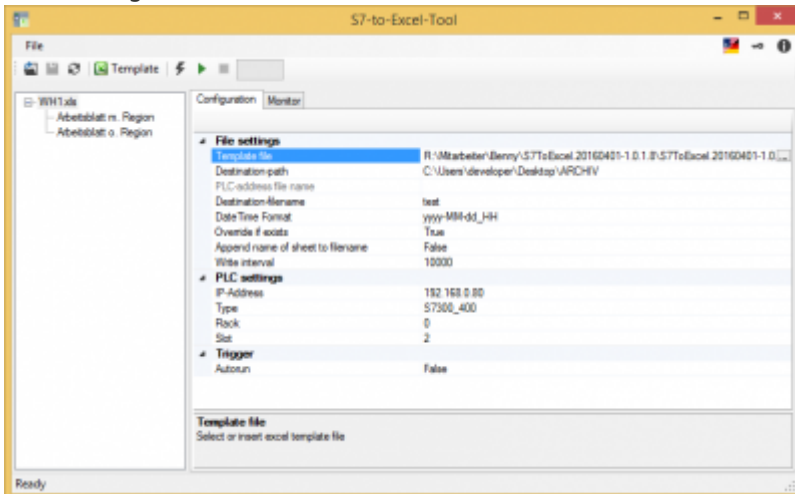
Material	Temperatur Granulat	Temperatur Zylinder	Temperatur Form	Druck (bar)	Dauer ms
Gran Rot	\$PLC_ADDR,DB1000.DBB255,real	\$PLC_ADDR,DB1000.DBB260,real	\$PLC_ADDR,DB1000.DBB264,real	\$PLC_ADDR,DB1000.DBB269,real	\$PLC_ADDR,DB1000.DBB274,real
Gran Black	\$PLC_ADDR,DB1000.DBB285,real	\$PLC_ADDR,DB1000.DBB290,real	\$PLC_ADDR,DB1000.DBB294,real	\$PLC_ADDR,DB1000.DBB299,real	\$PLC_ADDR,DB1000.DBB304,real
	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	

result

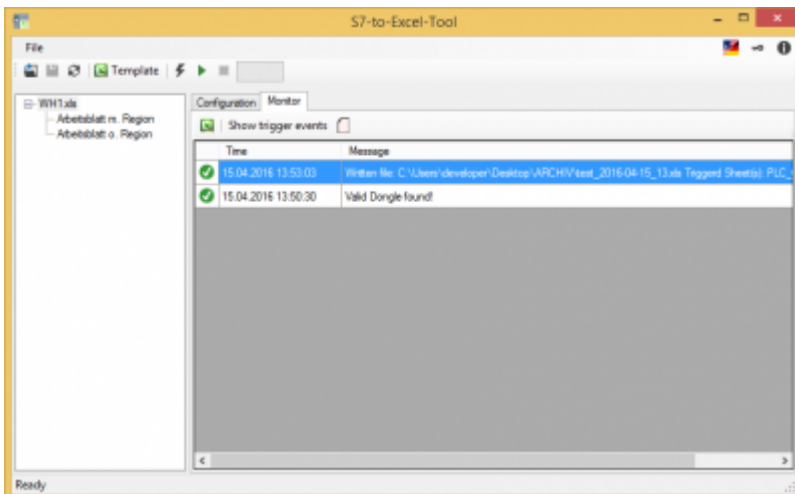
Material	Temperatur Granulat	Temperatur Zylinder	Temperatur Form	Druck (bar)	Dauer ms
Gran Rot	10,022 °C	231,732 °C		46,948 °C	2,949156284
Gran Black	42,272 °C	49,989 °C		34,832 °C	12,44807087
	26,147 °C	118,361 °C	12,100 °C		3,609 °C

Screenshots

File settings:



Notifications:



Use the USB-Dongle

The License key is also available as a USB-Dongle.

We use the products from MARX Software Security. To use the Dongles you have to do following steps:

- minimum .NET Framework V 4.6.0 (check version / install)
- [install MARX "CBIOS Server Windows" as a service](#)
- plug in the Dongle
- only using S7-FileLogger: [install S7-FileLogger for Dongle](#)
- start the program
- Under  you will find the license informations



Create Template

- Create workbook

- Create and format worksheets
- Insert the address for the PLC variable register (\$PLC_ADDR-value) into the desired cells
- Save workbook, this file is your template
- Start S7ToExcel.exe
- Open Template (File → Select Template)
- Determine target path / file destination
- Edit / set / enable triggers
- Select PLC connection parameters
- Save template, the settings are automatically saved in the template
- Note:
 - By clicking “Stop Trigger” you stop the evaluation.
 - By activating “autorun” the evaluation is started automatically with the template last used when you start the application.
 - “Overwrite file” overwrites, if existing, the file with the same name.

Activate Logging

Launch the application and select the template. Then the available worksheets are presented to you.

By clicking  you start the logging.

In the table you can find the last events. Here, the error messages are also displayed.

User Interface

Gray controls are not available at the moment.



	Insert License	Generate your machine code or insert your license key
	Select Language	Switch between German and English
	Information about the software	Here you can find all information about the software and the currently used license data.

Toolbar



	Opens the selected template file
	Saves all settings from the program and the template (Shortcut STRG+S)
	reloads the current template
	Trys to open the template file with the default program
	All found variables in all sheets will be triggered
	start all triggers
	stop all triggers

 green bar: shows if analysis was started
gray bar: no analysis started

Excel File Settings

File settings	
Template file	R:\WH1.xls
Destination-path	C:\Users\developer\Desktop\ARCHIV
PLC-address file name	
Destination-filename	test
Date/Time Format	yyyy-MM-dd_HH
Override if exists	True
Append name of sheet to filename	False
Write interval	10000

Destination file name	Optional file name for the storage. If set, the name plus the current date and time will be saved. For example MASCHINE1_20150203_120304.xls. The issue date can be individually configured.
Time Format	See keyword \$PLC_FILENAME_POSTFIX,Format

PLC Settings

PLC settings	
IP-Address	192.168.0.80
Type	S7300_400
Rack	0
Slot	2

PLC Address	Display of the read, defined PLC address in the template
PLC Type	Display of the read, defined PLC
Rack	Display of the read, defined rack number
Slot	Display of the read, defined slot number

Note:

Please also note the [settings for S7-1200 / S7-1500 / LOGO!](#).

Regions

The defined region is extended in the worksheet (below sheet) according to the defined rules. Each sheet can have multiple regions, please refer to the keyword [Region](#).

The following settings of the cell will be taken on:

- cell formats (font, font size, formatting of the display, colors)
- borders
- column width
- row height
- formulas

Borders:

maximum possible column: 1P (250 columns)

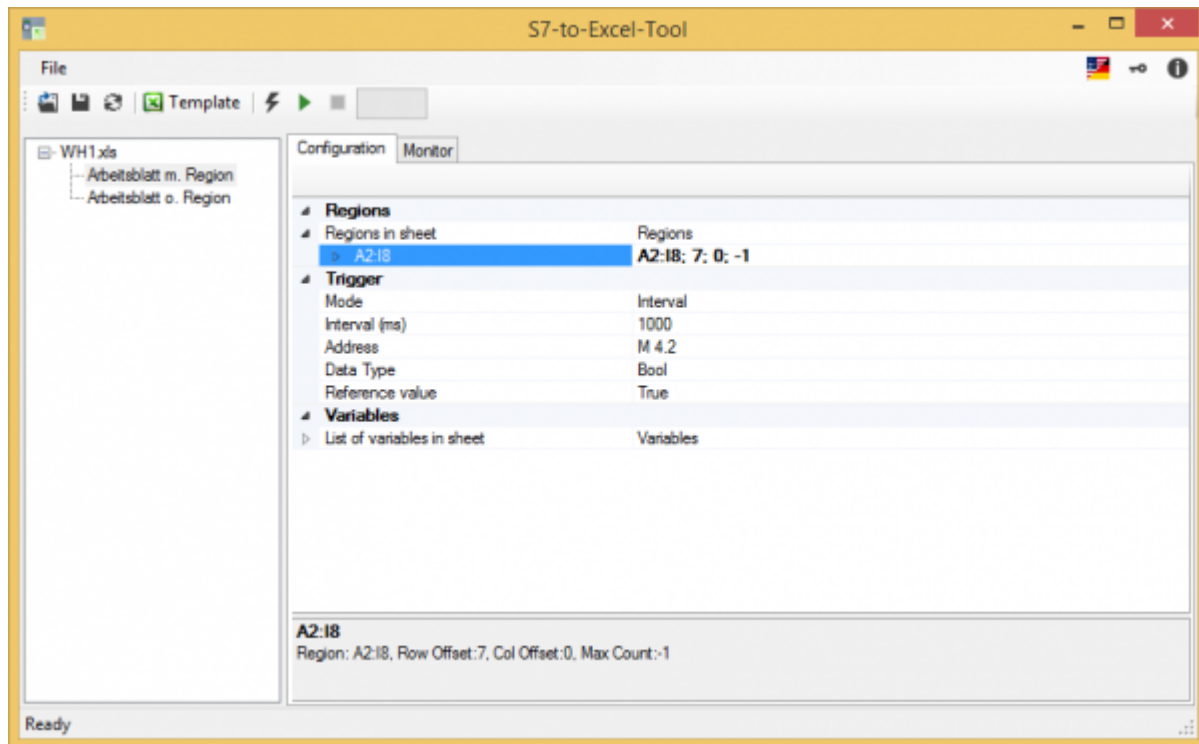
maximum possible row: 60000

Note:

We have improved the write mechanism and set a write interval of 10 seconds by default.

The result file will be written when

- the write interval has expired.
- a new file shall be generated, because the file name and / or the postfix have been changed.
- one border has been reached.
- the trigger is stopped.



If you click on the arrow, you will see the properties of the region:

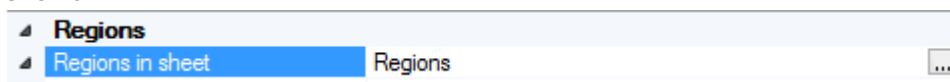
Regions	
Regions in sheet	Regions
A2:I8	A2:I8; 7; 0; -1
Region	A2:I8
Row Offset	7
Col Offset	0
max. count of entries	-1

You can find more information under the keyword for the [Region](#)

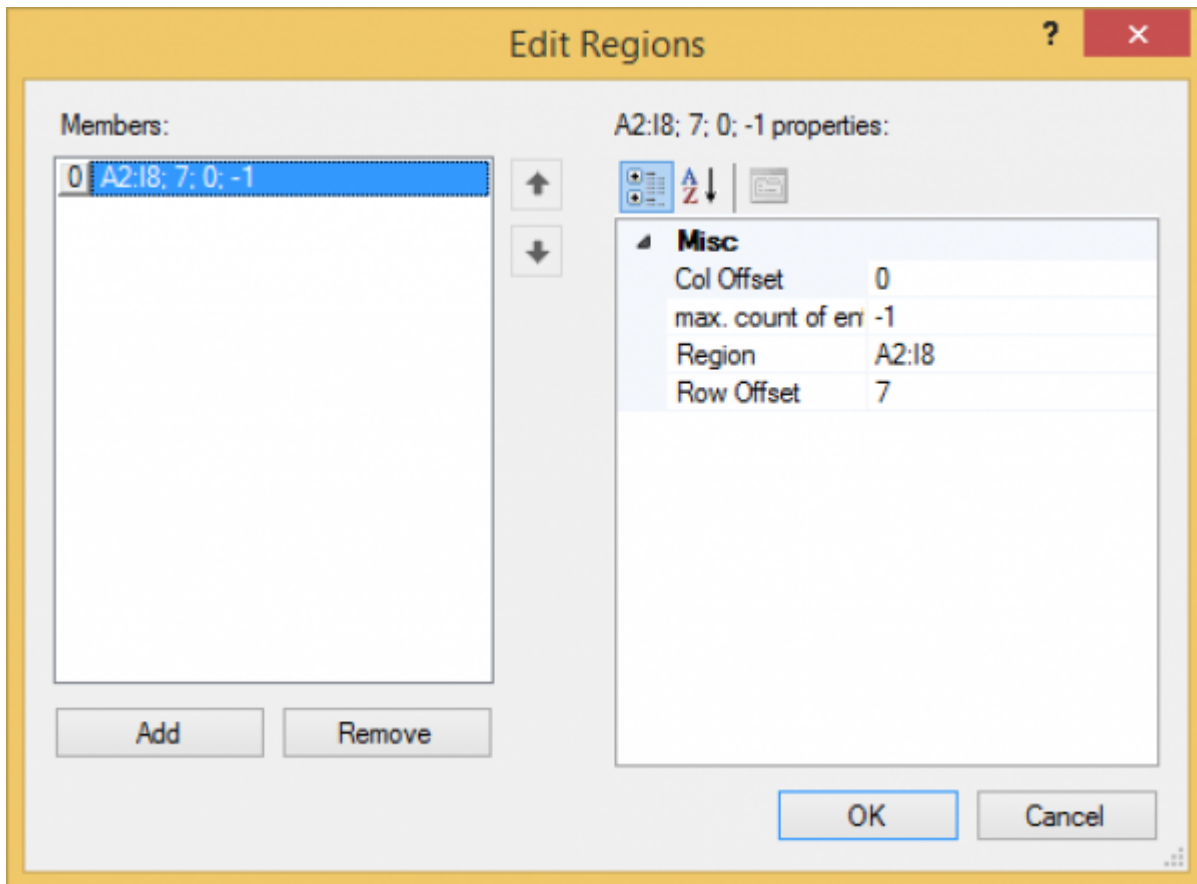
Edit Region(s)

If you want to edit a region or create a new one, there are two possibilities:

Click on "..."



The following dialog for editing the region(s) opens:



Here you can see, edit and delete all the regions or create a new region on the left side. On the right side you see the properties of the region.

If you just want to edit the region, click on the arrow and change the data:

Regions	
Regions in sheet	Regions
A2:I8	A2:I8; 7; 0; -1
Region	A2:I8
Row Offset	7
Col Offset	0
max. count of entries	-1

Samples:

In descending vertical direction:

If you want to read a lot of data from different machines at the same time, it makes sense to expand the data in descending vertical direction.

Region: A2 - I5

Row offset: 4

Column offset: 0

Max. number of entries: 7

	A	B	C	D	E	F	G	H	I
1	Timestamp	Maschine	Material	Temp. Granulat	Temp. Zylinder	Temp. Form	Druck (bar)	Dauer ms	Stück/Form
2	\$TIMESTAMP	\$PLC_ADDR,D;\$PLC_ADDR,D;	\$PLC_ADDR,DB100;\$PLC_ADDR,DB100;	\$PLC_ADDR,DB100;\$PLC_ADDR,DB100;	\$PLC_ADDR,DB100;\$PLC_ADDR,DB100;	\$PLC_ADDR,DB100;\$PLC_ADDR,DB100;	\$PLC_ADDR,DB100;\$PLC_ADDR,DB100;	\$PLC_ADDR,DB100;\$PLC_ADDR,DB100;	\$PLC_ADDR,DB100;\$PLC_ADDR,DB100;
3	\$TIMESTAMP	\$PLC_ADDR,D;\$PLC_ADDR,D;	\$PLC_ADDR,DB100;\$PLC_ADDR,DB100;	\$PLC_ADDR,DB100;\$PLC_ADDR,DB100;	\$PLC_ADDR,DB100;\$PLC_ADDR,DB100;	\$PLC_ADDR,DB100;\$PLC_ADDR,DB100;	\$PLC_ADDR,DB100;\$PLC_ADDR,DB100;	\$PLC_ADDR,DB100;\$PLC_ADDR,DB100;	\$PLC_ADDR,DB100;\$PLC_ADDR,DB100;
4	\$TIMESTAMP	\$PLC_ADDR,D;\$PLC_ADDR,D;	\$PLC_ADDR,DB100;\$PLC_ADDR,DB100;	\$PLC_ADDR,DB100;\$PLC_ADDR,DB100;	\$PLC_ADDR,DB100;\$PLC_ADDR,DB100;	\$PLC_ADDR,DB100;\$PLC_ADDR,DB100;	\$PLC_ADDR,DB100;\$PLC_ADDR,DB100;	\$PLC_ADDR,DB100;\$PLC_ADDR,DB100;	\$PLC_ADDR,DB100;\$PLC_ADDR,DB100;
5	\$TIMESTAMP	\$PLC_ADDR,D;\$PLC_ADDR,D;	\$PLC_ADDR,DB100;\$PLC_ADDR,DB100;	\$PLC_ADDR,DB100;\$PLC_ADDR,DB100;	\$PLC_ADDR,DB100;\$PLC_ADDR,DB100;	\$PLC_ADDR,DB100;\$PLC_ADDR,DB100;	\$PLC_ADDR,DB100;\$PLC_ADDR,DB100;	\$PLC_ADDR,DB100;\$PLC_ADDR,DB100;	\$PLC_ADDR,DB100;\$PLC_ADDR,DB100;
6									
7									
8									

Result after triggering three times:

2024/04/25 17:34

	A	B	C	D
1	Zeitstempel	\$TIMESTAMP		
2	Material	\$PLC_ADDR,DB1000.DBB664,string[35]		
3	Temp. Granulat	\$PLC_ADDR,DB1000.DBD254,real		
4				
5				

Result after triggering two times:

	A	B	C	D
1	Zeitstempel	12.04.2016 10:22:49,029	12.04.2016 10:23:17,755	
2	Material	GRAN3458	GRAN3458	
3	Temp. Granulat	84,50 ° C	86,00 ° C	
4				
5				

Expand in horizontal direction, extending to the left

If you, for example, want to log a record per machine in historically descending order one below the other, it makes sense to use a negative column offset.

Region: F32 - F34

Row offset: 0

Column offset: -1

Max. number of entries: 5

30						
31						
32	Zeitstempel				\$TIMESTAMP	
33	Material				\$PLC_ADDR,DB1000.DBB664,string[35]	
34	Temp. Granulat				\$PLC_ADDR,DB1000.DBD254,real	
35						
36						

Result after triggering two times (Note: All not empty cells are written):

30						
31						
32	Zeitstempel			12.04.2016 10:23:17,755	12.04.2016 10:22:49,028	
33	Material			GRAN3458	GRAN3458	
34	Temp. Granulat			84,50 ° C	86,00 ° C	
35						

Trigger

General settings (File name selected):

Trigger	
Autorun	False

At click on the sheet name:

Trigger	
Mode	Interval
Interval (ms)	1000
Address	M 4.2
Data Type	Bool
Reference value	True

Autorun	True: Triggers start automatically when you start the application and when selecting a template
Address	Trigger address in the PLC, see \$PLC_TRIGGER_ADDR

Datatype	Datatype of the trigger address, see PLC-Addressing
Interval (ms)	using an interval trigger: time in ms until the next logging; otherwise: time in ms until the next review of the trigger address
Reference value	using a Boolean trigger: verification value for the edge; otherwise: value on which shall be checked
Mode	Display of the trigger mode, see trigger mode
Manual trigger	All variables found in all sheets will be triggered

Keywords

The configuration is done via the corresponding keywords.

Syntax: \$keyword,n,n₁,...,n_x

The parameters n,n₁,...,n_x are stated as separate by ','.

Worksheet "PLC Configuration"

Configuration of the PLC Connection

keyword	description	sample
\$PLC_IPADDR,IP-Address	IP-Address of the PLC, needed for creating the connection to the PLC	\$PLC_IPADDR,192.168.0.80
\$PLC_RACK,Rack	rack number of the PLC	\$PLC_RACK,0
\$PLC_SLOT,Slot	slot number of the PLC	e.g. by S7 300: \$PLC_SLOT,2
\$PLC_DEVICETYPE,PLCtype	Possible PLC device types: - S71500 - S71200 - S7300_400 - S7200 - LOGO!	\$PLC_DEVICETYPE,S7300_400

Note:

Please also see [settings for S7-1200 / S7-1500 / LOGO!](#).

Configuration of the Destination File Name

keyword	description	sample
\$PLC_SAVEPATH,directory	The directory of target files. If no path is selected, the location is taken from the template file	\$PLC_SAVEPATH,C:\Documents\Excel
\$PLC_FILENAME,filename	With no input, only the Postfix is used as the name. Use the \$ PLC_ADDR keyword for dynamic name generation by the PLC	\$PLC_FILENAME,MaschinenWh1 \$PLC_FILENAME,\$PLC_ADDR,DB1000.DBB 700,string[100]

keyword	description		sample
\$PLC_FILENAME_POSTFIX,Format	By default, a time postfix with the format “yyyy-MM-dd_hh-mm-ss” is always appended to the filename.		For example, the file name: MaschineWh1_2015-01-13_09-35-22.xls shall be generated: \$PLC_FILENAME,MaschineWh1 \$PLC_FILENAME_POSTFIX,yyyy-MM-dd_HH-mm-ss
	You can format it as desired:		
	Format	description	
	yy	year 2-digit	
	yyyy	year 4-digit	
	MM	month 2-digit	
	MMM	short name of the month	
	MMMM	name of the month	
	dd	day 2-digit	
	ddd	short name of day	
	dddd	name of day	
	H	hour 0-23	
	h	hour 1-12	
	HH	hour 00-23	
	hh	hour 01-12	
	mm	minute 2-digit	
	s	seconds 1-59	
	ss	seconds 01-59	
	fff	milliseconds 3-digit	
ffff	Ten thousandths of a second 4-digit		
\$APPEND_TRIGGERED_SHEETNAMES,Flag	When set, the triggered sheet names are appended to the file name. This facilitates, for example, the location of the desired file within several sheets 0 = don't append 1 = append		\$APPEND_TRIGGERED_SHEETNAMES,1
\$PLC_OVERRIDEFILE,Flag	When edge = 1, the file is overwritten. The file name assembles through file name + (sheet name) + postfix		\$PLC_OVERRIDEFILE,1 overwrites the file e.g. when using regions

Worksheets with Process Data

Define Process Data from the PLC

PLC Addressing

Operand

Name	Abbreviation (Siemens, DE)	Abbreviation(IEC)
Input	E	I
Output	A	Q
Flag	M	M
Peripherals	P	P
Counter	Z	C
Data Block	DB	DB
Timer	T	16

Data types

Name	Abbreviation	Bit size	Range	Description	Array
BOOL	X	1	0 to 1	single bit representing true (1) or false (0)	x
BYTE	B	8	0 to 255	unsigned 8-bit	x
WORD	W	16	0 to 65.535	unsigned 16-bit (Word)	x
DWORD	D	32	0 to $2^{32}-1$	unsigned 32-bit (Double Word)	x
CHAR	B	8	A+00 to A+ff	ASCII-Code unsigned 8-bit character	x
INT	W	16	-32.768 to 32.767	signed 16-bit integer	x
DINT	D	32	-2^{31} to $2^{31}-1$	signed 32-bit integer (Double Word)	x
REAL	D	32	+ -1.5e-45 to + -3.4e38	IEEE754 32-bit single precision floating point number	x
S5TIME	W	16	00.00:00:00.100 to 00.02:46:30.000	binary coded decimal (BCD) number representing a time span	
TIME	D	32	00.00:00:00.000 to 24.20:31:23.647	signed 16-bit integer representing a time span in milliseconds	
TIME_OF_DAY	D	32	00.00:00:00.000 to 00.23:59:59.999	unsigned 16-bit integer representing a time span in milliseconds	
DATE	W	16	01.01.1990 to 31.12.2168	unsigned 16-bit integer representing a date in days	
DATE_AND_TIME	D	64	00:00:00.000 01.01.1990 to 23:59:59.999 31.12.2089	binary coded decimal (BCD) number representing a date and time	
S7String	B	any	A+00 to A+ff	ASCII-Code, max. 254 Bytes	

The variables are composed of operand and data type. Examples:

Examples	Data type	Example Siemens	Example IEC
Input Byte 1, Bit 0	BOOL	E 1.0	I 1.0
Output Byte 1, Bit 7	BOOL	A 1.7	Q 1.7
Flag Byte 10, Bit 1	BOOL	M 10.1	M 10.1
Data Block 1, Byte 1, Bit 0	BOOL	DB1.DBX 1.0	DB1.DBX 1.0
Input Byte 1	BYTE	EB 1	IB 1
Output Byte 10	BYTE	AB 10	QB 10
Flag Byte 100	BYTE	MB 100	MB 100

Examples	Data type	Example Siemens	Example IEC
Peripherals Input Byte 0	BYTE	PEB 0	PIB 0
Peripherals Output Byte 1	BYTE	PAB 1	PQB 1
Data Block 1, Byte 1	BYTE	DB1.DBB 1	DB1.DBB 1

Data Block 1, Data Block 1 Typ bool, Address 1.0 → DB1.DBX 1.0

Data Block 1, Data Block Typ Byte, Address 1 → DB1.DBB 1

Peripherals Input, Typ DWORD, Address 0 → PED 0

Help:

DB#.DBB # = Data Block#.Data Block Byte #

DB#.DBW # = Data Block#.Data Block Word #

DB#.DBD # = Data Block#.Data Block Doubleword #

= Address

keyword:

\$PLC_ADDR,Address,Datatype,Option

description		sample
The PLC address to be read. Is written into the cell to be read		
Address	The PLC address which shall be read. See PLC Addressing	
Data type	The type of the address which shall be read. Option for Type "string": Number written in [] defines the length of the data to be read data types: * BOOL * WORD * DWORD * INT * DINT * REAL * STRING * CHAR * BYTE Not yet implemented: * S5TIME * TIME * TIME_OF_DAY * DATE * DATE_AND_TIME	
Option	Optional statement e.g. r = read, w = write back. <u>NOT IMPLEMENTED_</u>	

sample for MW 20
type: WORD
\$PLC_ADDR,MW 20,WORD

sample for DB 1000, address 1
type: String
length: 100
\$PLC_ADDR,DB1000.DBB
1,string[100]

Timestamp

\$TIMESTAMP	Writes the current timestamp in the cell. Your defined formatting is retained. Tip: In Excel milliseconds are defined with the format ",00" for a double-digit output and ",000" for three-digit output.
--------------------	---

sample:

	A	B
1	Timestamp	Formatierung
2	42467,4793784693	Standard
3	7. Apr 2016	T. MMM JJJJ
4	07.04.2016	TT.MM.JJJJ
5	07.04.2016 11:30:18	TT.MM.JJJJ HH:MM:SS
6	07.04.2016 11:30:18,302	TT.MM.JJJJ HH:MM:SS,000
7		

Region

keyword:

\$APPEND_REGION,[SheetName],Region,RowOffset,ColOffset,count of entries

parameter	description	sample
Sheet name	If empty: actual sheet; otherwise: the sheet name in []	Sheet: "wh1" Region A2 till I5 append max. 8 times \$APPEND_REGION,,A2:I5,4,0,8 or \$APPEND_REGION,A2:I5,4,0,8 or \$APPEND_REGION,[wh1],A2:I5,4,0,8
Region	Region which should be appended. Format: StartColumn StartRow:EndColumn EndRow z.B. A2:I9	
Row offset	Row offset for the next entry of the region. If you have 7 rows and want to expand in row direction, you need to enter an offset of at least 7. A negative offset extends the region in ascending horizontal direction.	
Column offset	Columnn offset for the next entry of the region. If you have 2 columns and want to expand in column direction, you need to enter an offset of at least 2. A neagtive offset extends the region in vertical direction to the left.	
Number of entries	Maximum number of entries before a new file is to be generated when none of the cases described in Regionen applies for the generation of a file. -1 marks when a new file is created (file name is changing in Prefix or postfix).	

Define Triggers

To trigger a worksheet, you must set the following three values:

- Trigger address
- Trigger interval
- Trigger mode

The interval time should be at least half of the time the value is kept in the PLC. This ensures that the trigger can identify the changed data reliably .

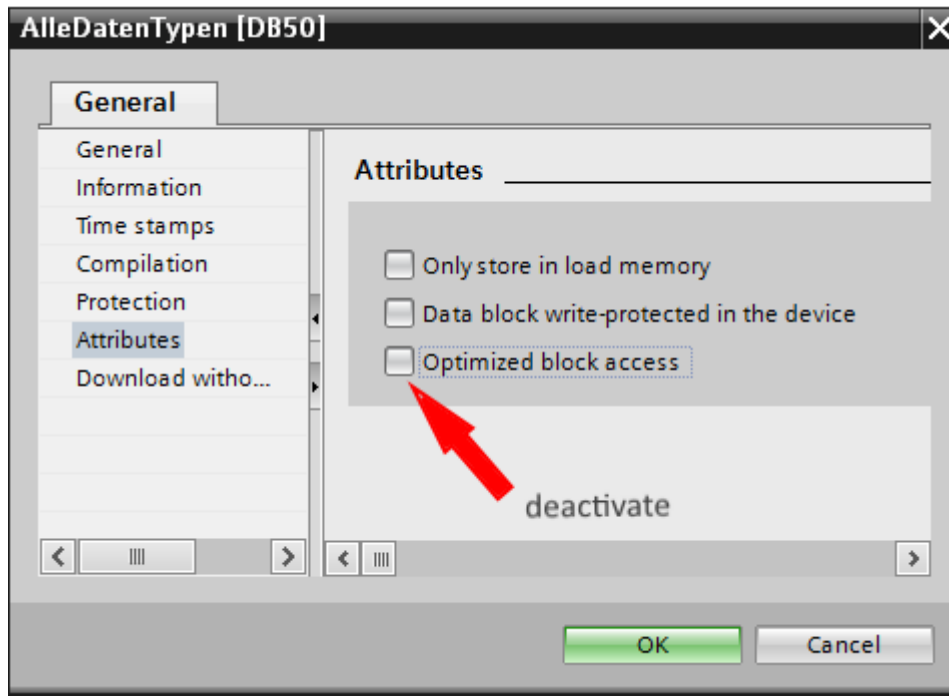
keyword	description		sample
\$PLC_TRIGGER_ADDR,Address,Type,Value	PLC address for the trigger		sample for MW 20 type: WORD value: 10
	Address	Address in the PLC e.g. MW 20. See PLC Addressing for PLC addressing	
	Type	Data type to be read. See \$PLC_ADDR for possible types	\$PLC_TRIGGER_ADDR,MW 20,WORD,10
	Value	Value on which shall be checked	

keyword	description			sample
\$PLC_TRIGGER_INTERVAL,ms	Interval in milliseconds Option 1: Period in which the trigger variable is checked Option 2: Period in which a new query is issued in the PLC (interval trigger)			sample for triggering every second: \$PLC_TRIGGER_INTERVAL,1000
	trigger modes for generating Excel files Has to be included in each worksheet in which PLC addresses are to be read			sample interval trigger: \$PLC_TRIGGER_MODE,0
	Mode	Type	Description	
	-1	No trigger	Worksheet is not triggered. Defined trigger survives	
	0	interval trigger	Triggering according to a set interval	
	1	Value change trigger	triggers if the value of the trigger address changes	
\$PLC_TRIGGER_INTERVAL,ms	2	Conditional trigger	triggers if trigger address has the specified value when checking	sample interval trigger: \$PLC_TRIGGER_MODE,0
	3	Edge trigger	Cyclically checks the value according to a set interval at the set address and starts the logging when the value becomes equal to the reference value. Logging is triggered once each time at the transition to the defined area (edge treatment)	

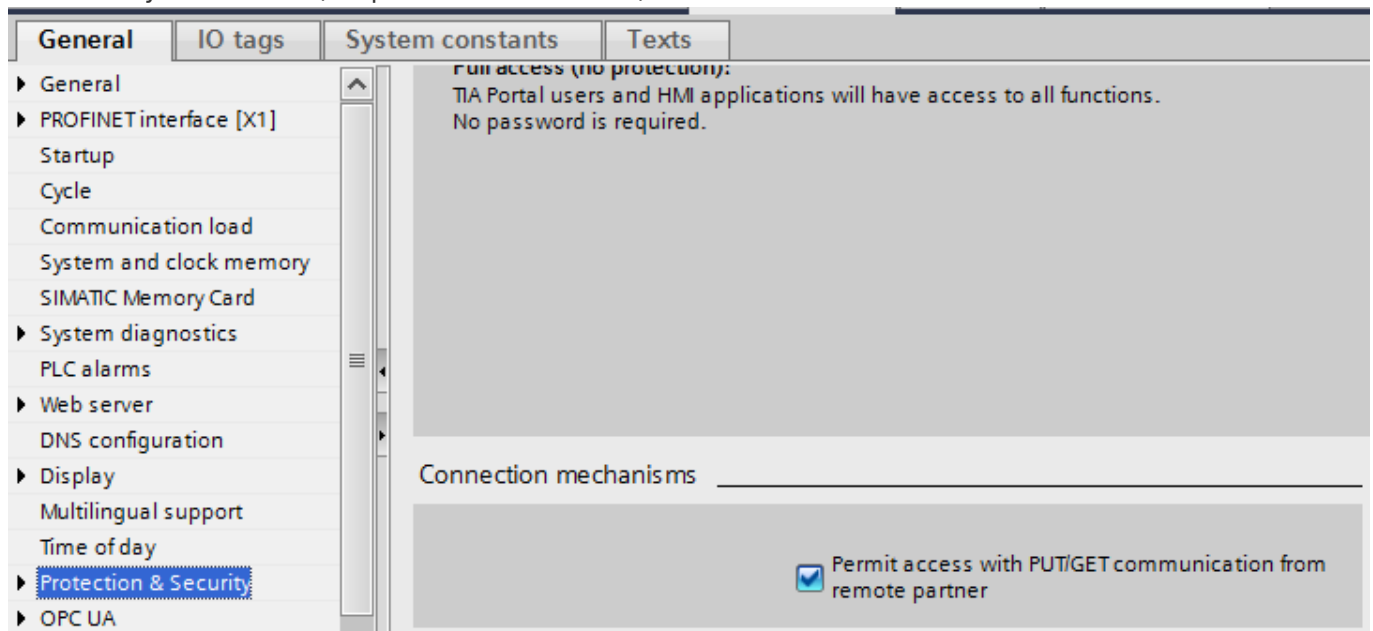
Settings for S7-1200 / S7-1500 / LOGO!

S7-1200/1500

The optimized block access needs to be deactivated in the data block attributes for access to the S7-1500 and S7-1200.

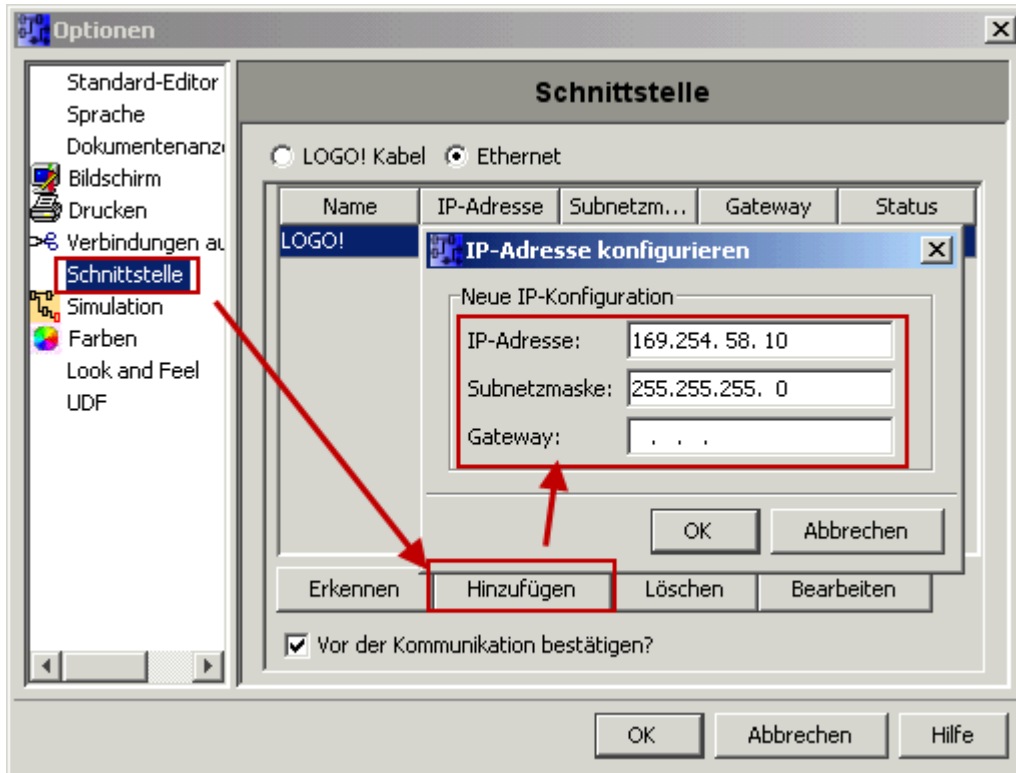


In the S7-1500 must be enabled in the communication setting in addition to the PUT / GET access . How this works you see here (snapshot from TIA Portal) .

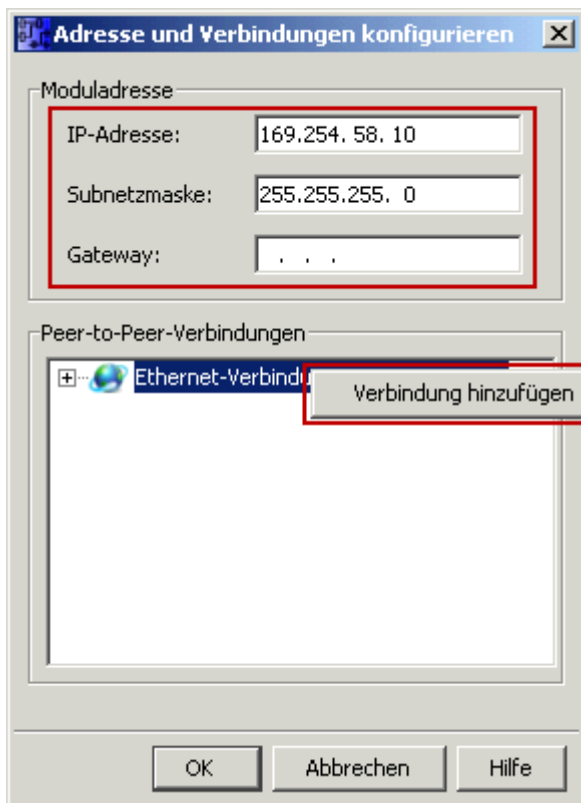


LOGO!

1. Use the Logo Soft Comfort the IP address of a logo! PLCs:



2. Configure PLCs so that connections from an HMI device accepted the Logo!. To do so, go to "Tools- > Ethernet Connections" and then add a new connection.



3. Double-click on the newly created connection to access the properties.

Verbindung1(Server)

☐ Clientverbindung: fordert Datenübertragung zwischen lokalem PC und dezentraler SPS an

☒ Server-Verbindung: antwortet auf Verbindungsanforderungen dezentraler Clients

Eigenschaften lokaler Verbindungen (Server)

TSAP 02.00

☒ Mit Operator Panel (OP) verbinden

☒ Alle Verbindungsanforderungen akzeptieren.

Nur diese Verbindung: . . .

Dezentrale Eigenschaften (Client)

TSAP 02.00

Keep Alive (Verbindungskontrolle)

☐ Keep-Alive-Funktion für diese Verbindung aktivieren

Keep-Alive-Intervall: 0 Sekunden

OK Abbrechen Hilfe

Select:

1. Server Connection
2. Local TSAP: 02:00 - 02:00 decentralized TSAP
3. accept all connections.

You can access DB1, inputs , outputs, flags , counters and timers with IP -S7 -LINK . Now put on " Tools- > VM parameter map " the variables that are to be transferred to the DB1.

WinCC (TIA-Portal) Variablentabelle

Standard-Variablentabelle				
Name	Datentyp	Verbindung	...	Adresse
Ein-/Ausschaltverzögerung	Word	Verbindung_1	...	VW 0
<Hinzufügen>				

LOGO!Soft Comfort

The screenshot shows the LOGO!Soft Comfort interface. At the top, a ladder logic diagram is visible with a coil labeled 'B002'. Below it, the 'Konfiguration des variablen Speichers' (Configuration of variable memory) dialog box is open. The dialog has a table for 'Parameter-VM-Zuordnung' (Parameter-VM assignment) with the following data:

ID	Block	Parameter	Typ	Adresse
1	B002 [Ein-/Ausschaltverzögerung]	Aktualwert	Word	0
2				

Below the table, there are buttons for 'OK', 'Abbrechen' (Cancel), and 'Hilfe' (Help). The dialog also shows other variables like B001 [Analogverstärkung] and B002 [Ein-/Ausschaltverzögerung] in the background.

Error List

Data has possibly been lost

When creating or saving documents with LibreOffice Calc.

Sollution: Sage the template file with an Excel application or save the file again with LibreOffice.

ReadExcelSheet: Read Template: Sheet "Worksheet" Row "line number" Column "column number", PLC Addr: "PLC Address", Type: "Entered type"

Error: The Address.RawType can not be used for the type specified.

For the entered PLC Address an incorrect type has been specified, see PLC addressing.

The addressed data area does not exist. "PLC Address": Sheet "Worksheet Name" Row "line number" Cell "column number"

To be read PLC address does not exist.

The specified CPU Could not be found .: "PLC Address": Sheet "Worksheet" Row "line number" Cell "column number"

Check the connection data to the PLC.

Copy template file to destination: "Error message"

An error occurred when copying the template to the destination directory.

CreatePLCConnection: "Error message"

An error occurred when opening the PLC connection.

ReadWrite Given Data: "error message"

An error occurred when processing the template.

Read PLC Data "error message"

An error occurred when obtaining the PLC variables.

PLC: "Status.Text"

An error occurred when reading a PLC variable.

Table of Contents

Summary	2
Features of the Editions	2
Working with Worksheets	2
Process of the S7-To-Excel-Tool	3
Screenshots	4
Use the USB-Dongle	4
Create Template	4
Activate Logging	5
User Interface	5
Toolbar	5
Excel File Settings	6
PLC Settings	6
Regions	6
Edit Region(s)	7
Trigger	10
Keywords	11
Worksheet "PLC Configuration"	11
Configuration of the PLC Connection	11
Configuration of the Destination File Name	11
Worksheets with Process Data	12
Define Process Data from the PLC	12
PLC Addressing	12
Operand	13
Data types	13
Timestamp	14
Region	15
Define Triggers	15
Settings for S7-1200 / S7-1500 / LOGO!	18
S7-1200/1500	18
LOGO!	18

