

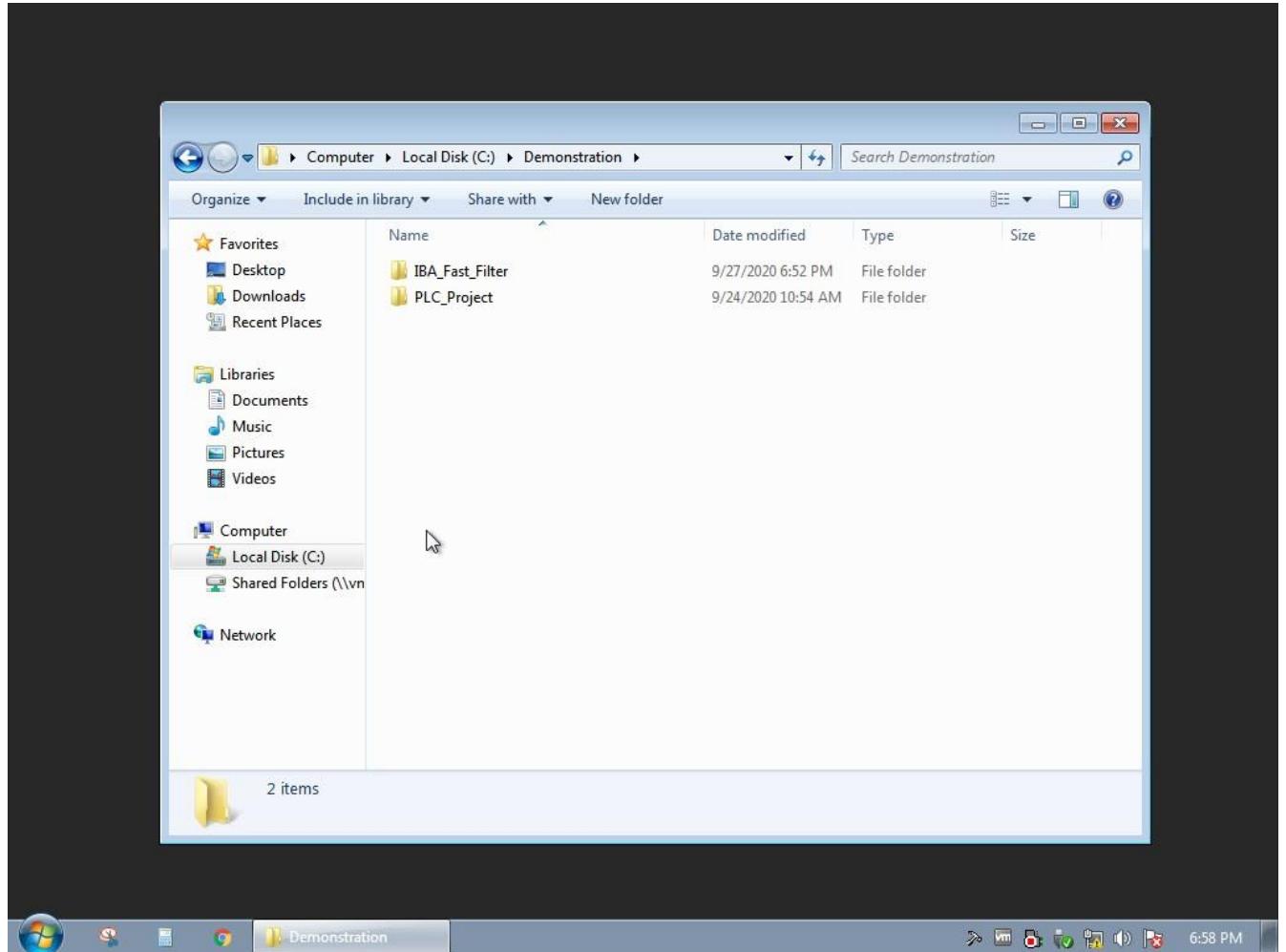
Tutorial for IBA_Fast_Filter.

For using the program “IBA_Fast_Filter”, will necessary to provide:

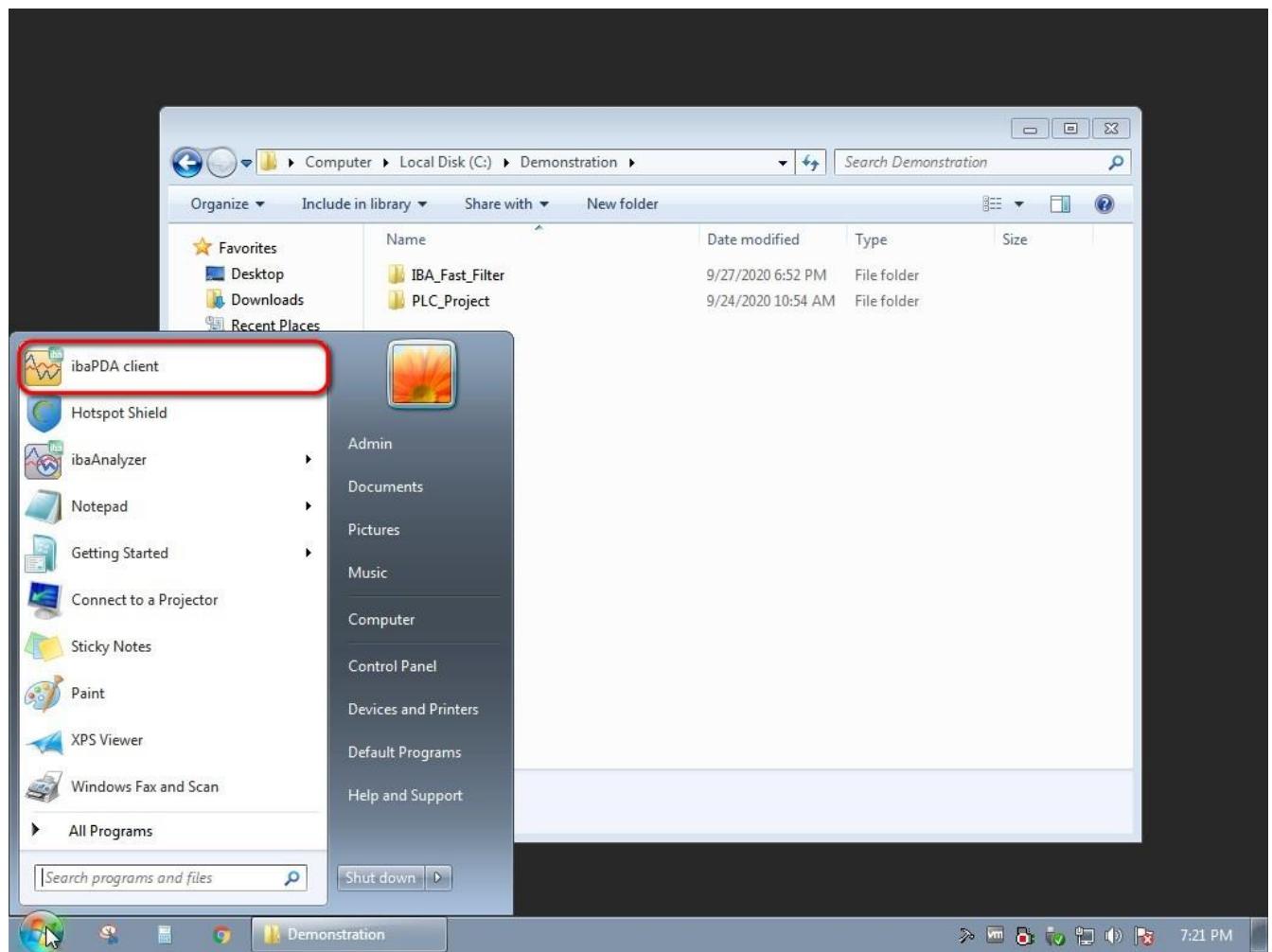
- IBA (client and access to server);
- Excel;
- S7 project, which we want to add to iba.
- Program “IBA_Fast_Filter”

If you already know, how to work will IBA, you can go directly to step #10.

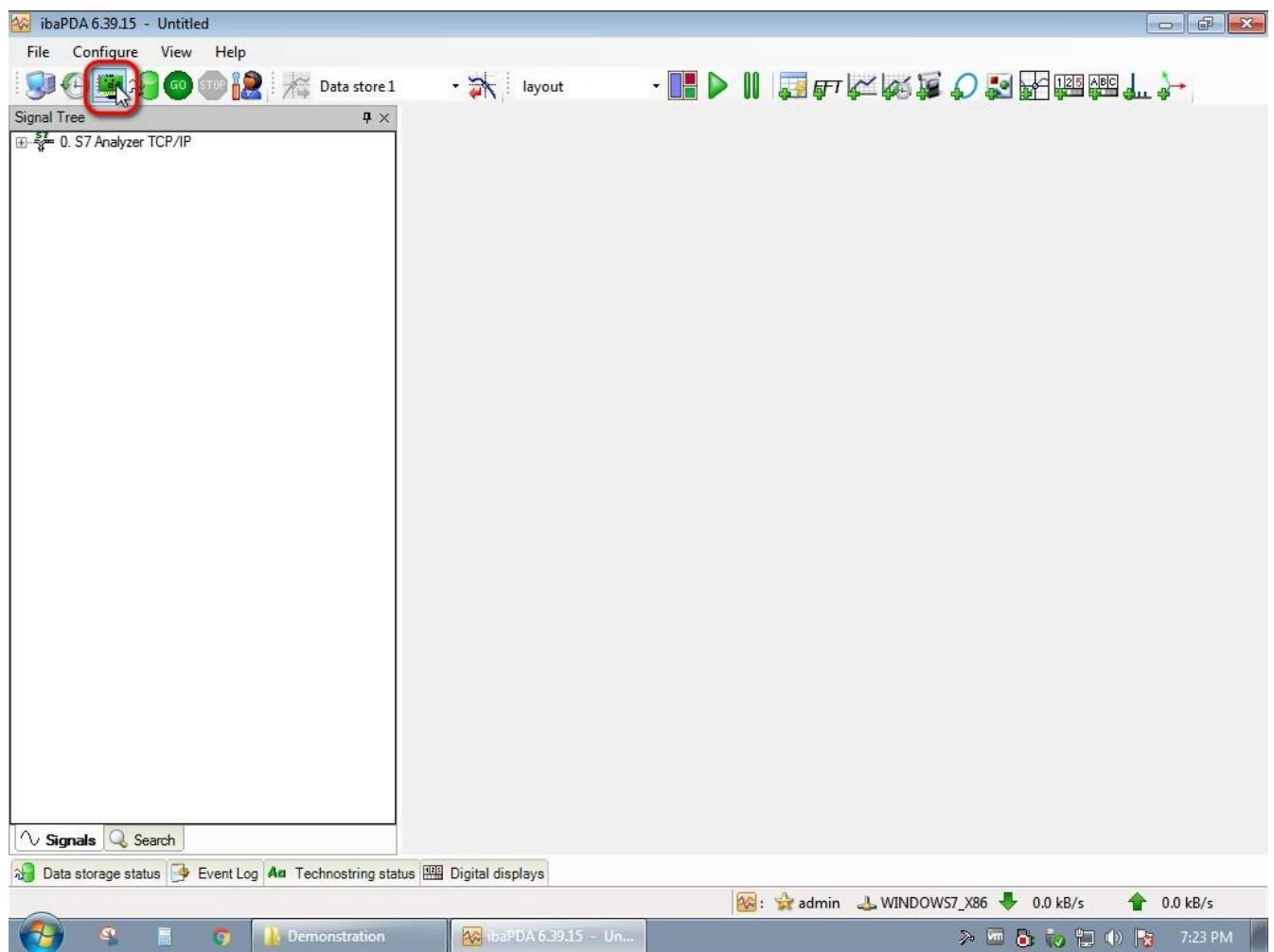
1. Prepare files.



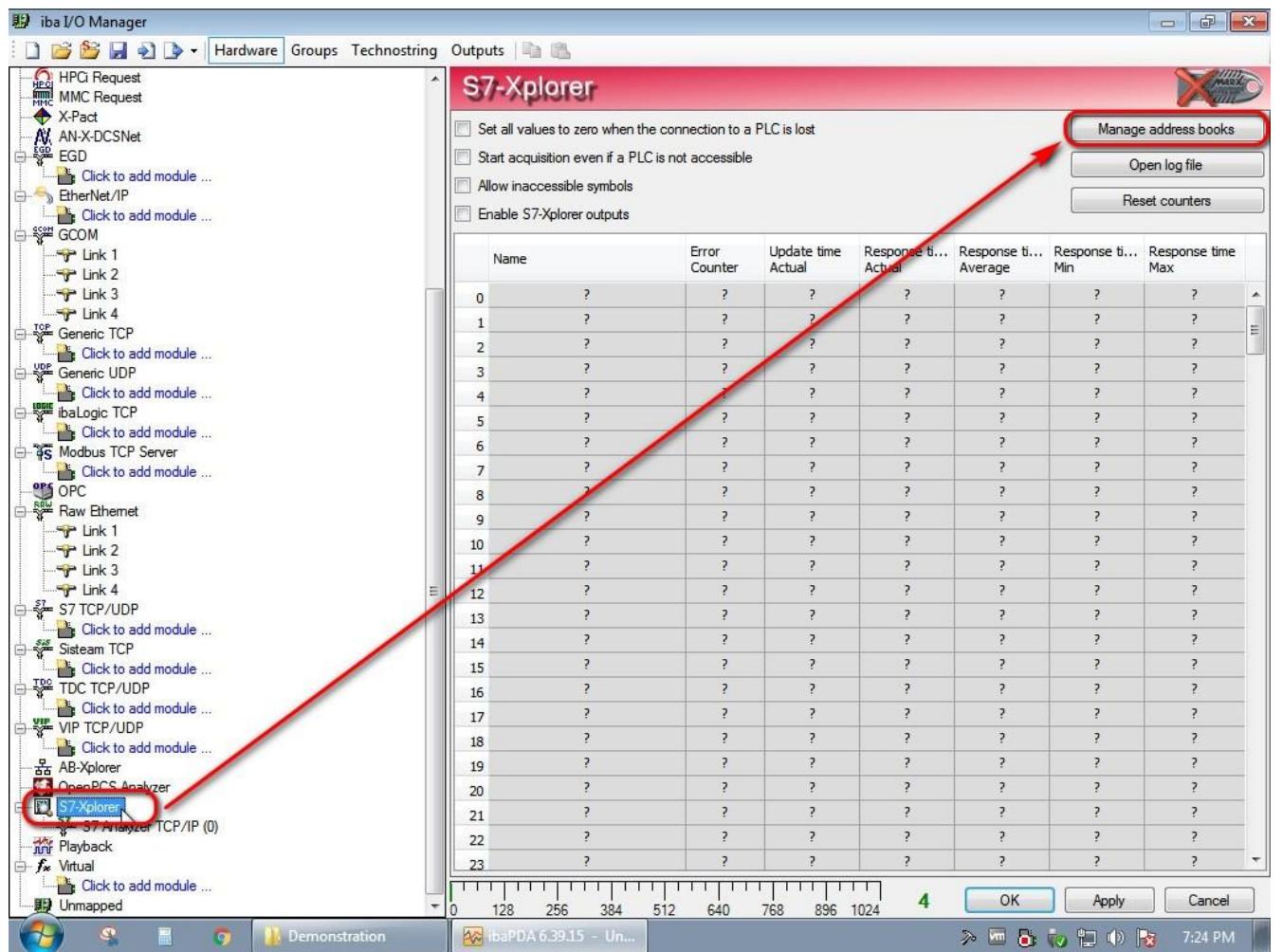
2. Open IBA Client.



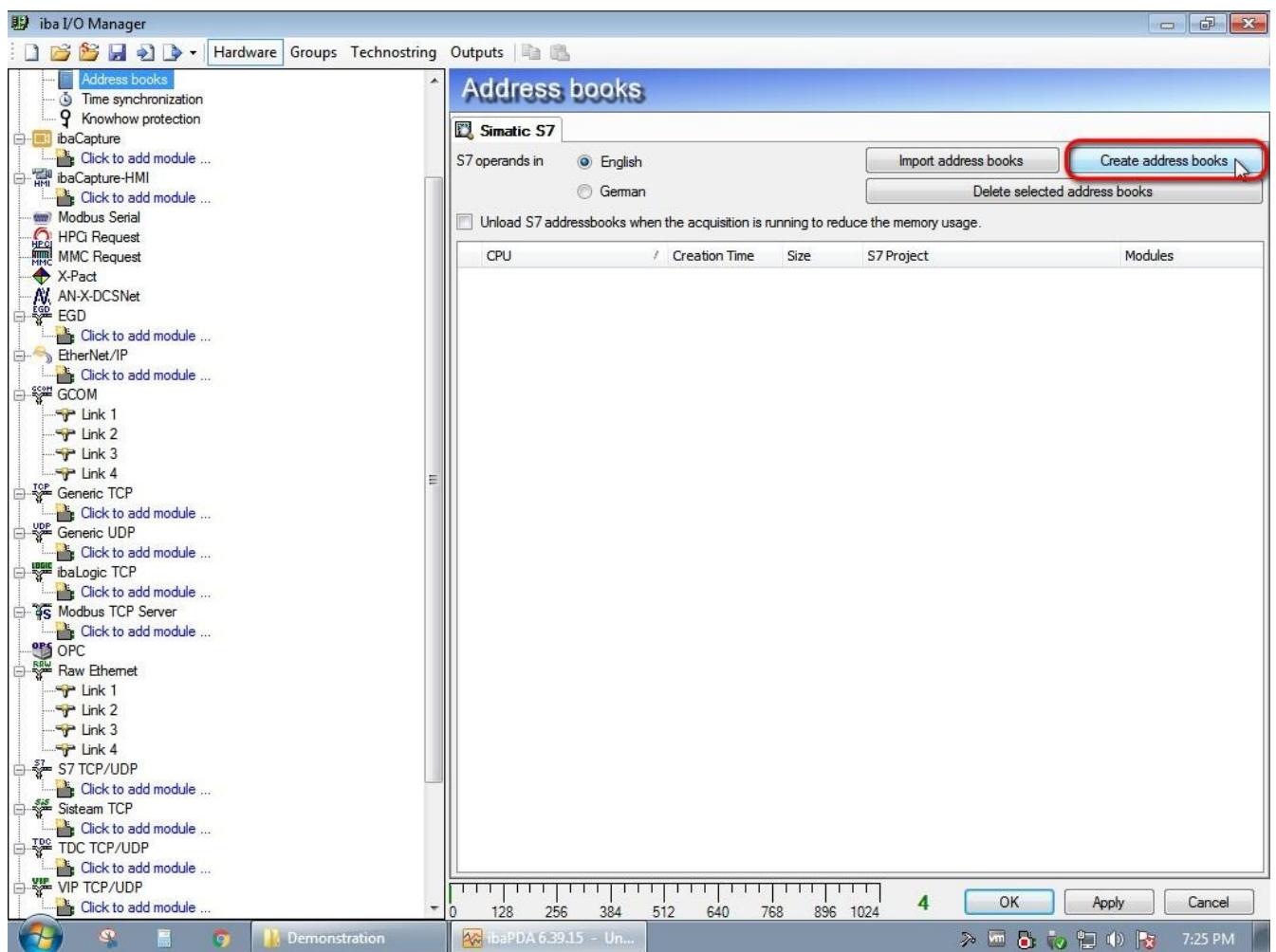
3. Open I/O Manager.



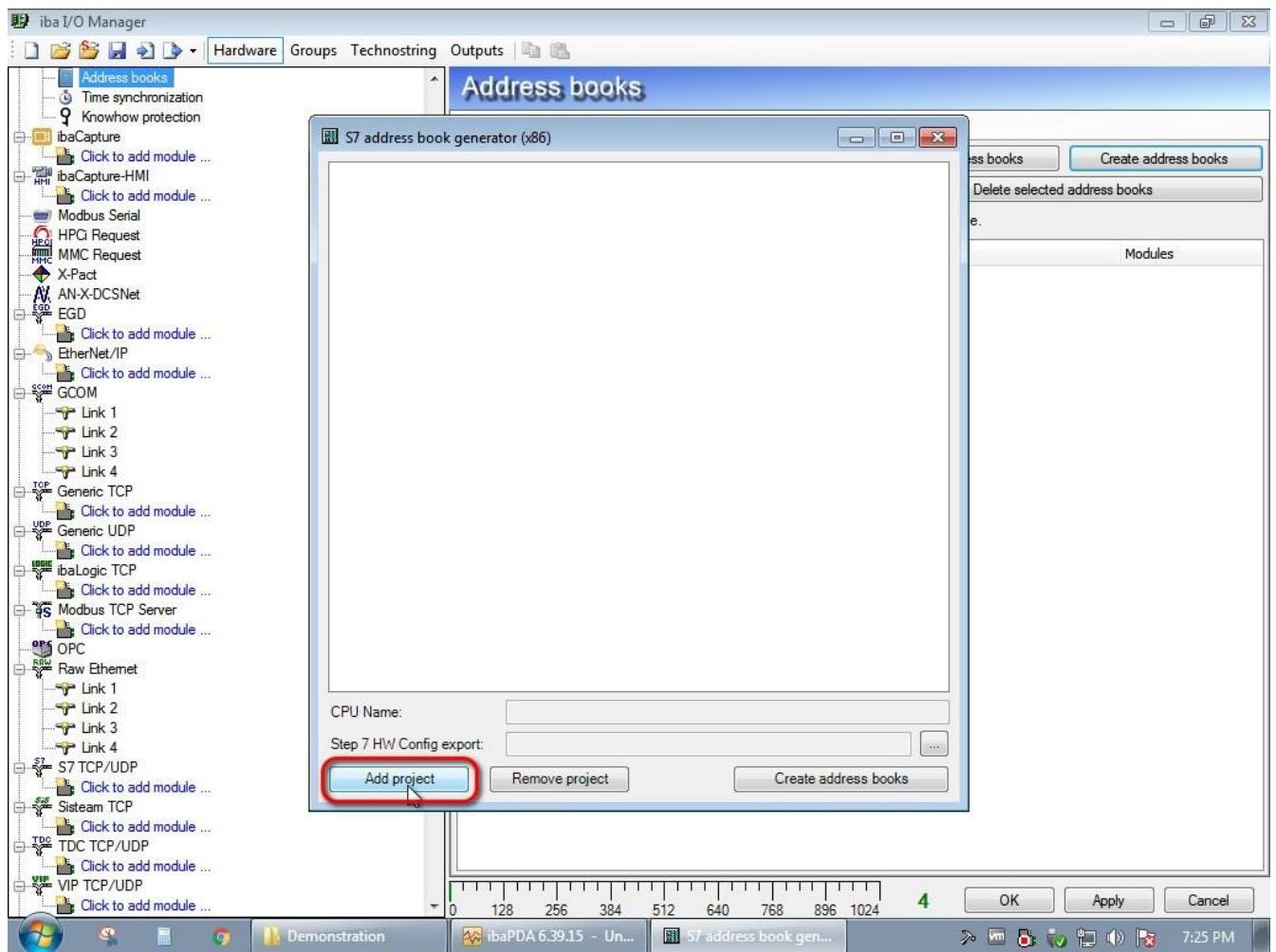
4. Go to “S7 Xplorer” -> “Manage address books”.



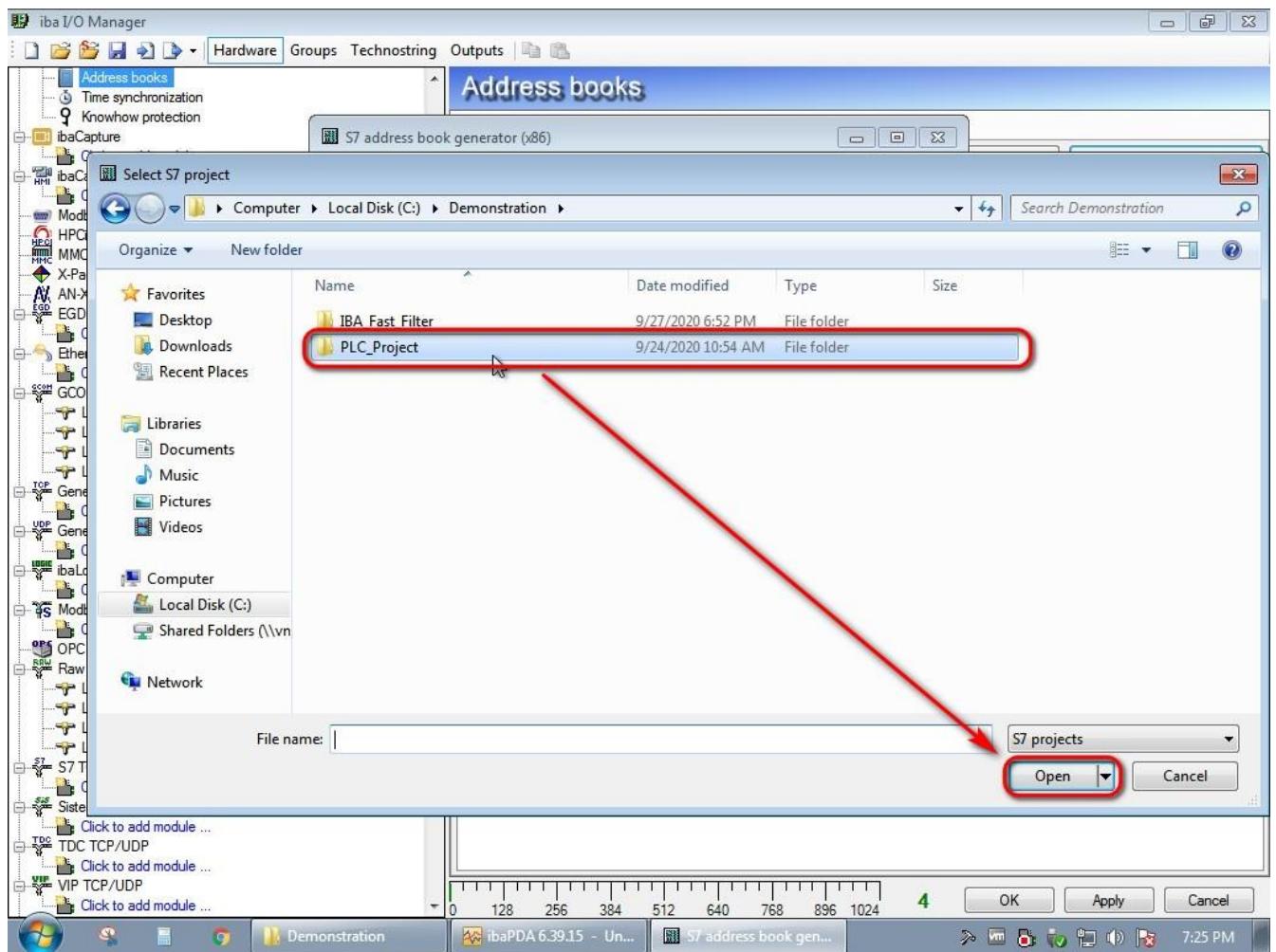
5. Create address books



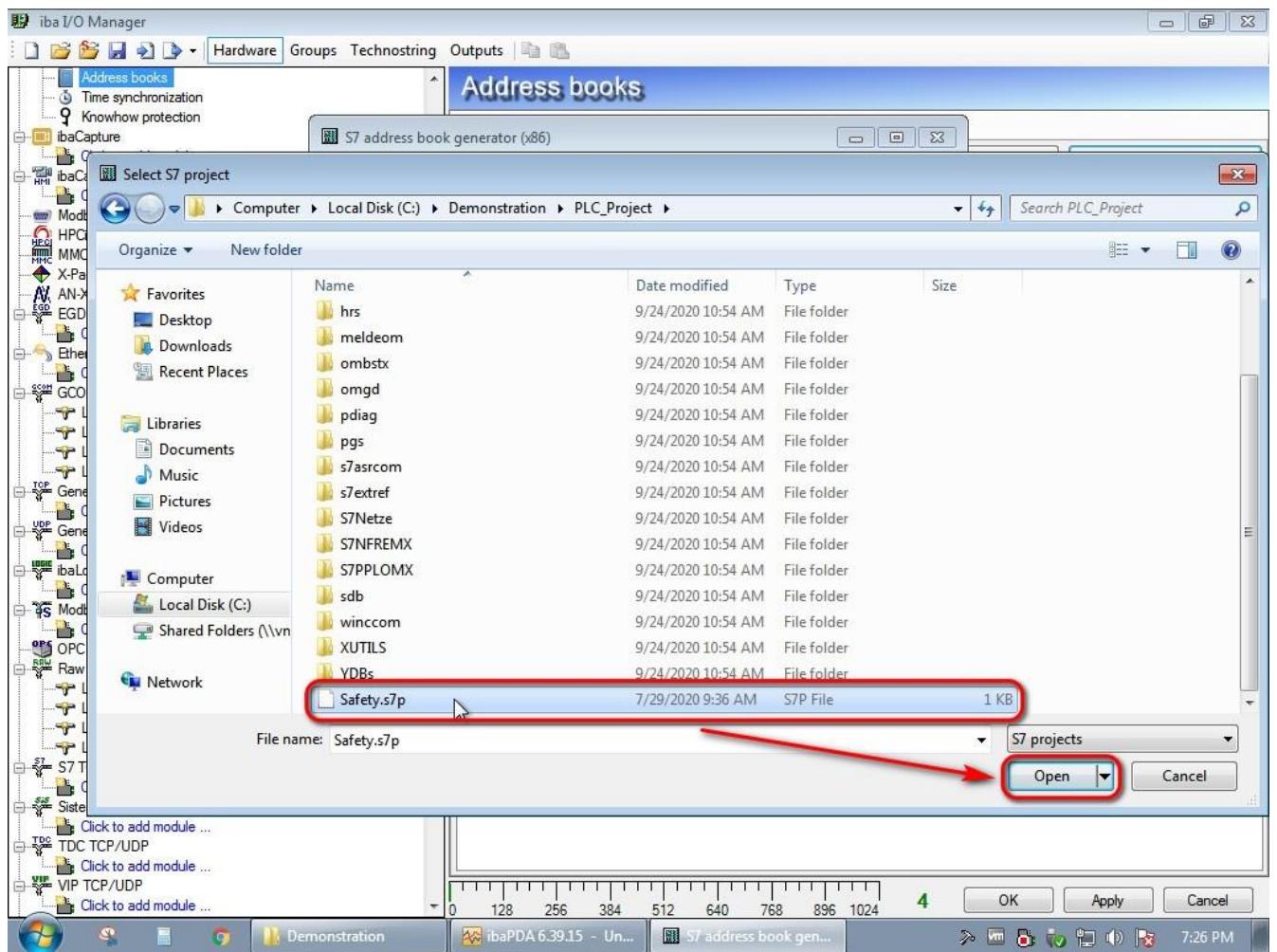
6. Add project into S7 address book generator.



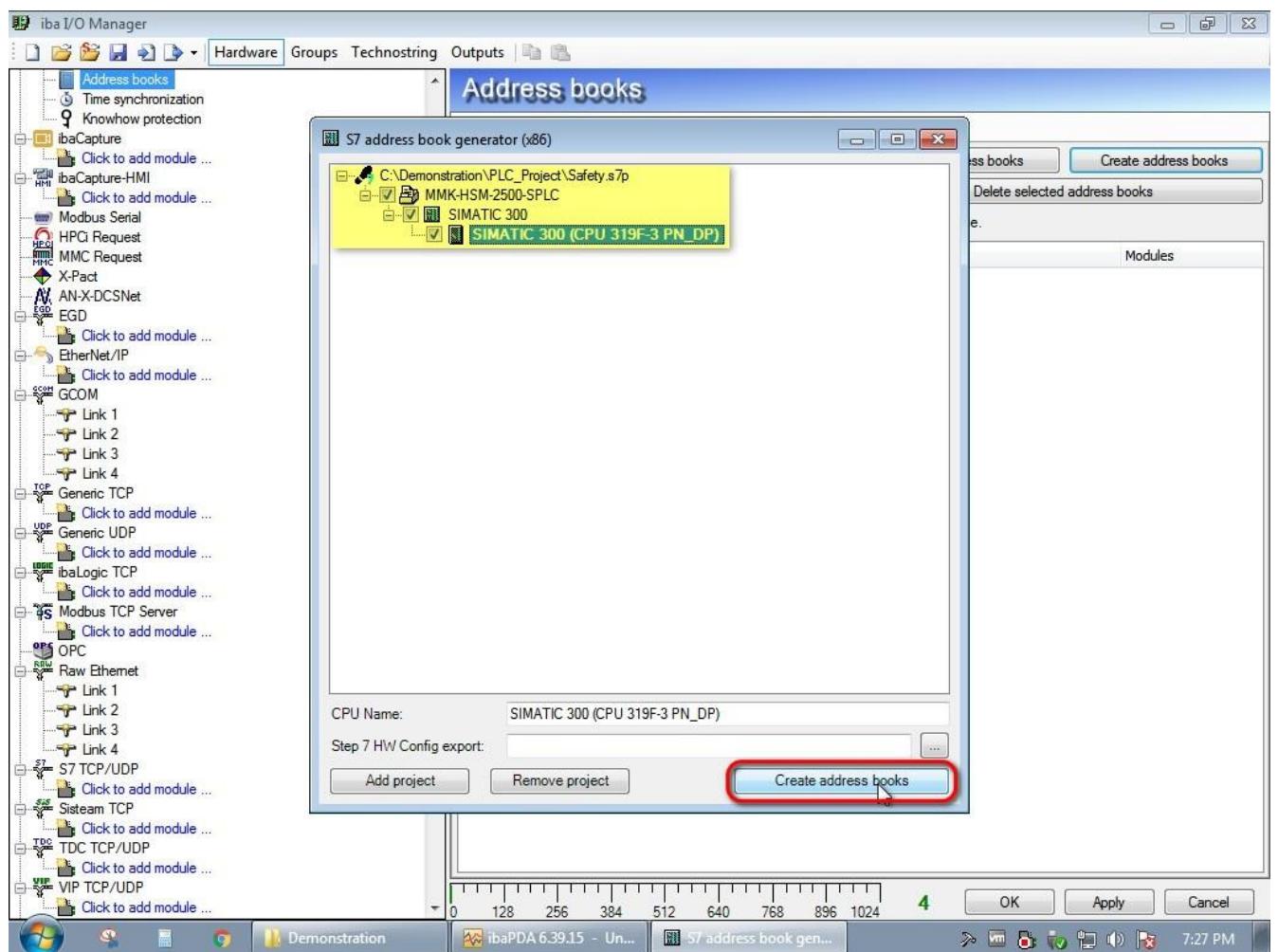
7. Select your S7 project folder.



8. Select *.s7p file and open it.

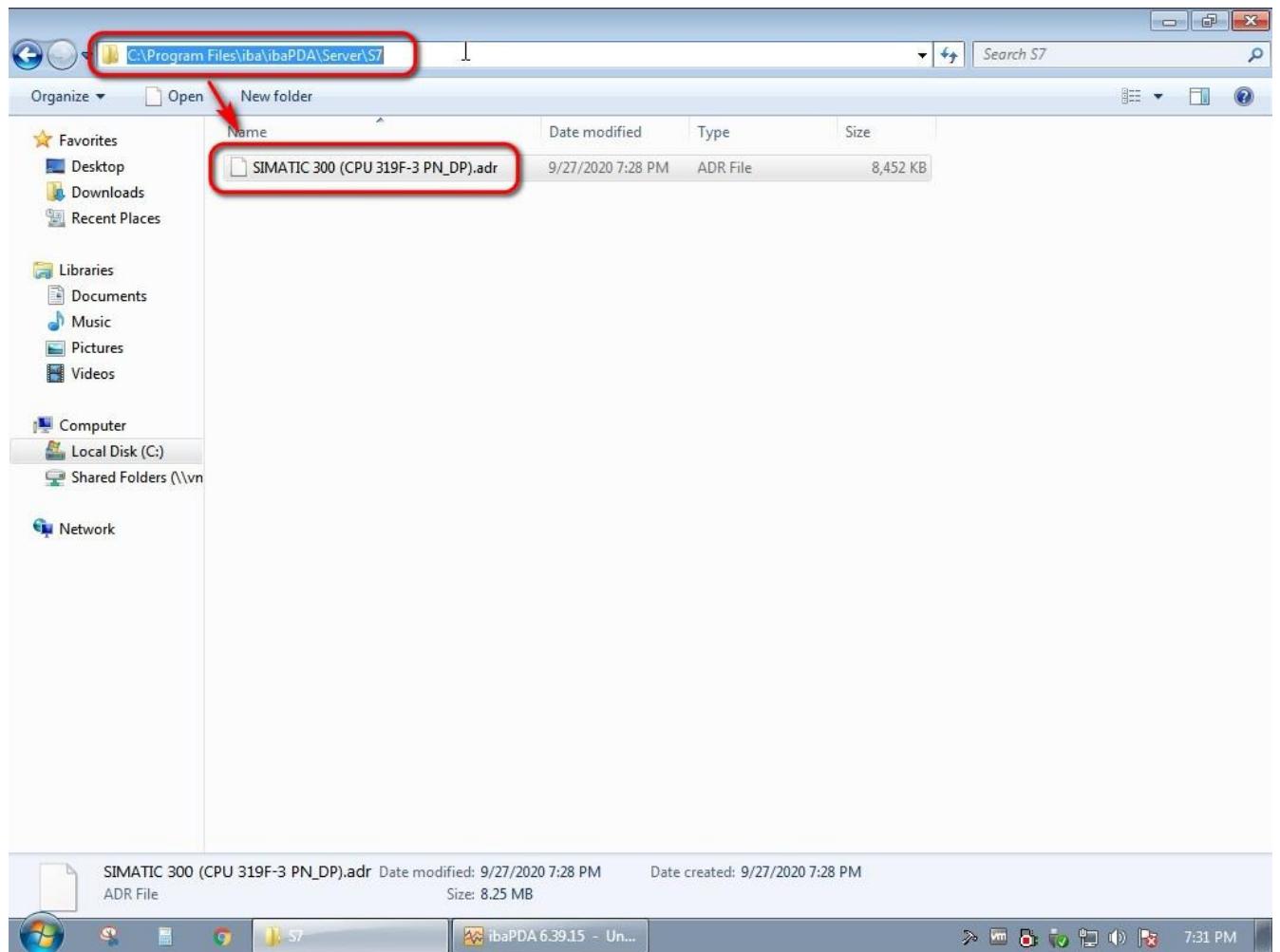


9. Project added into system, create address books

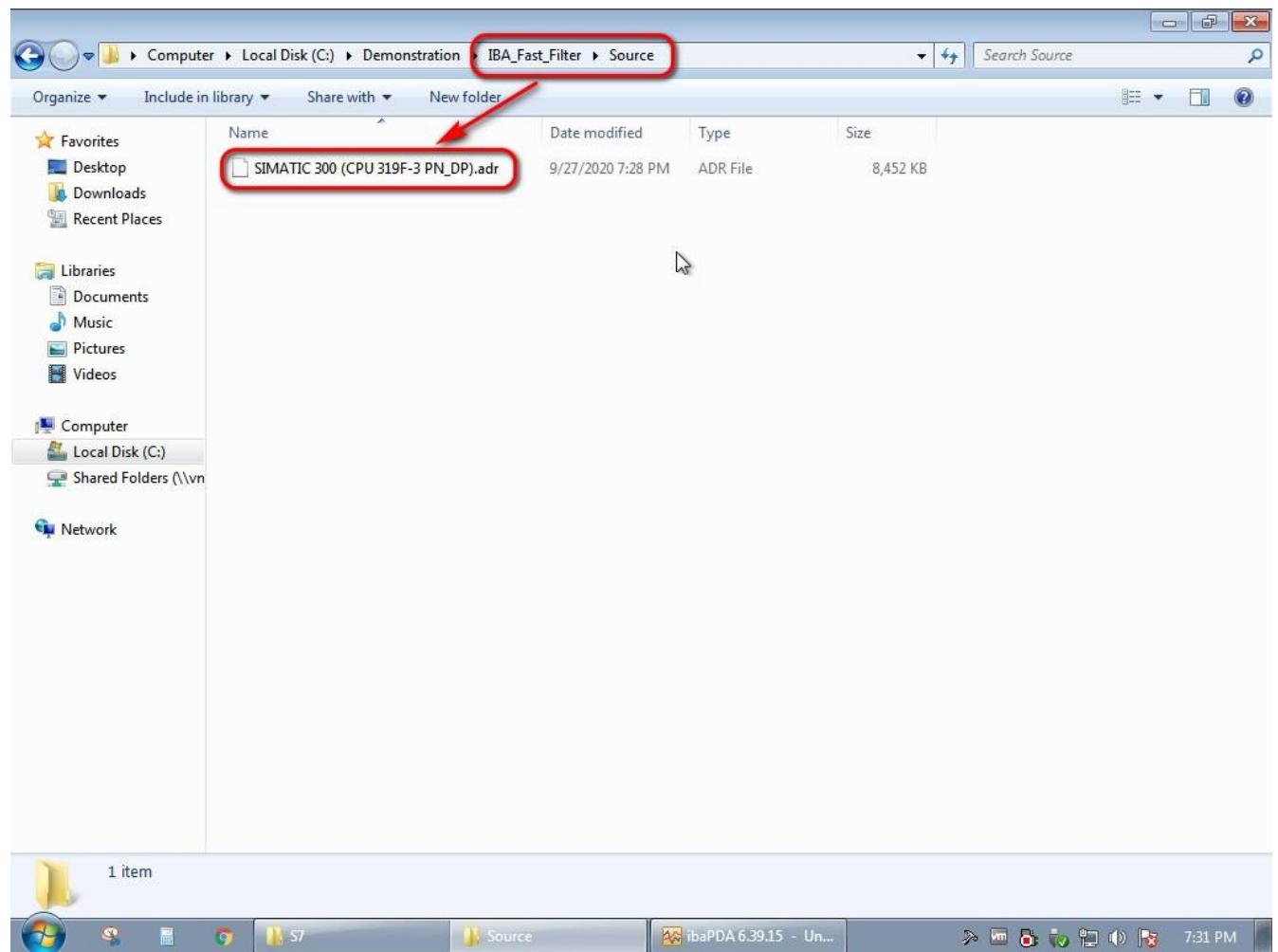


10. When address book created, we should take the file from server.

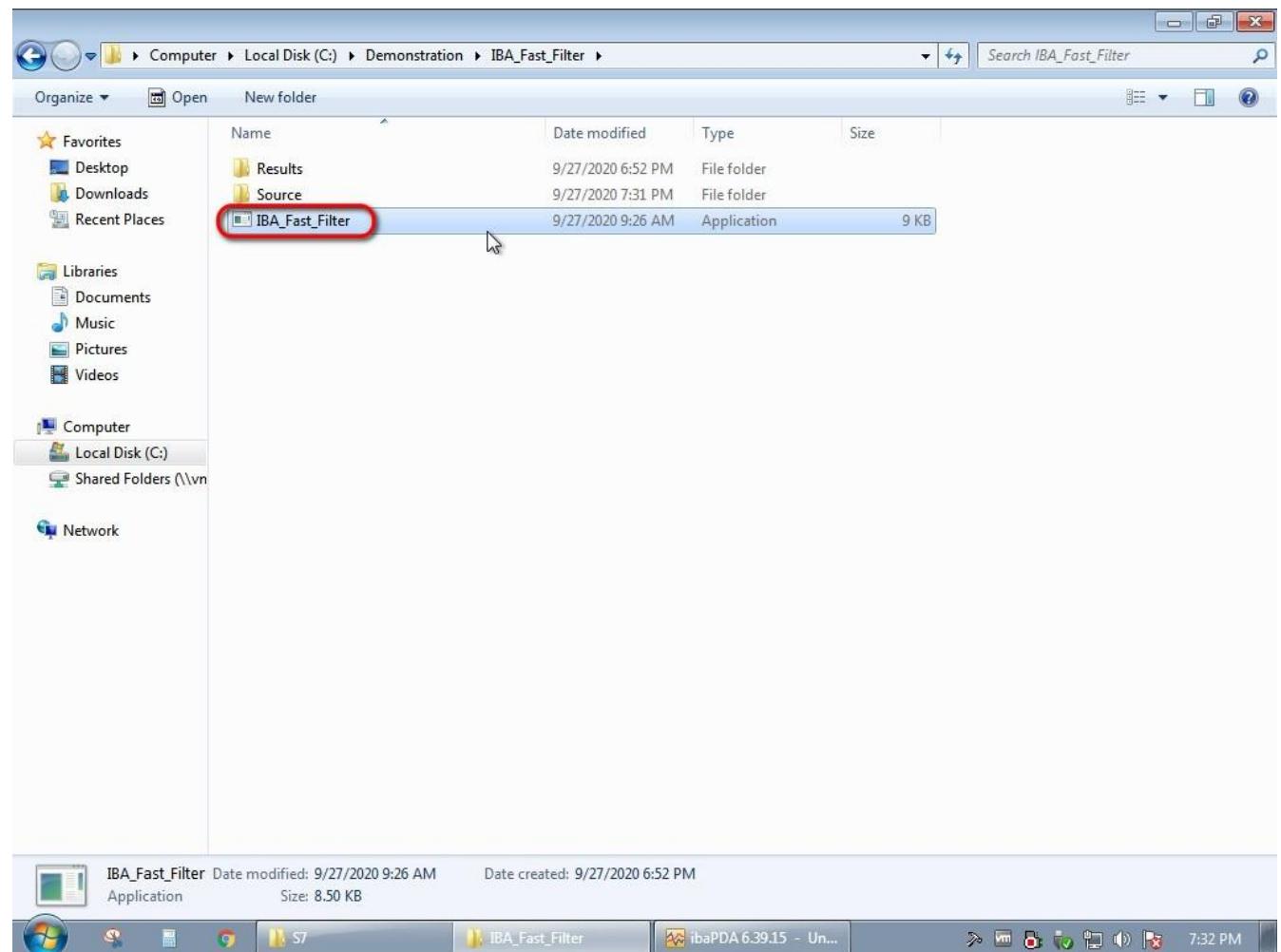
Usually path it: "C:\Program Files\iba\ibaPDA\Server\S7". Copy *.adr file for the project.



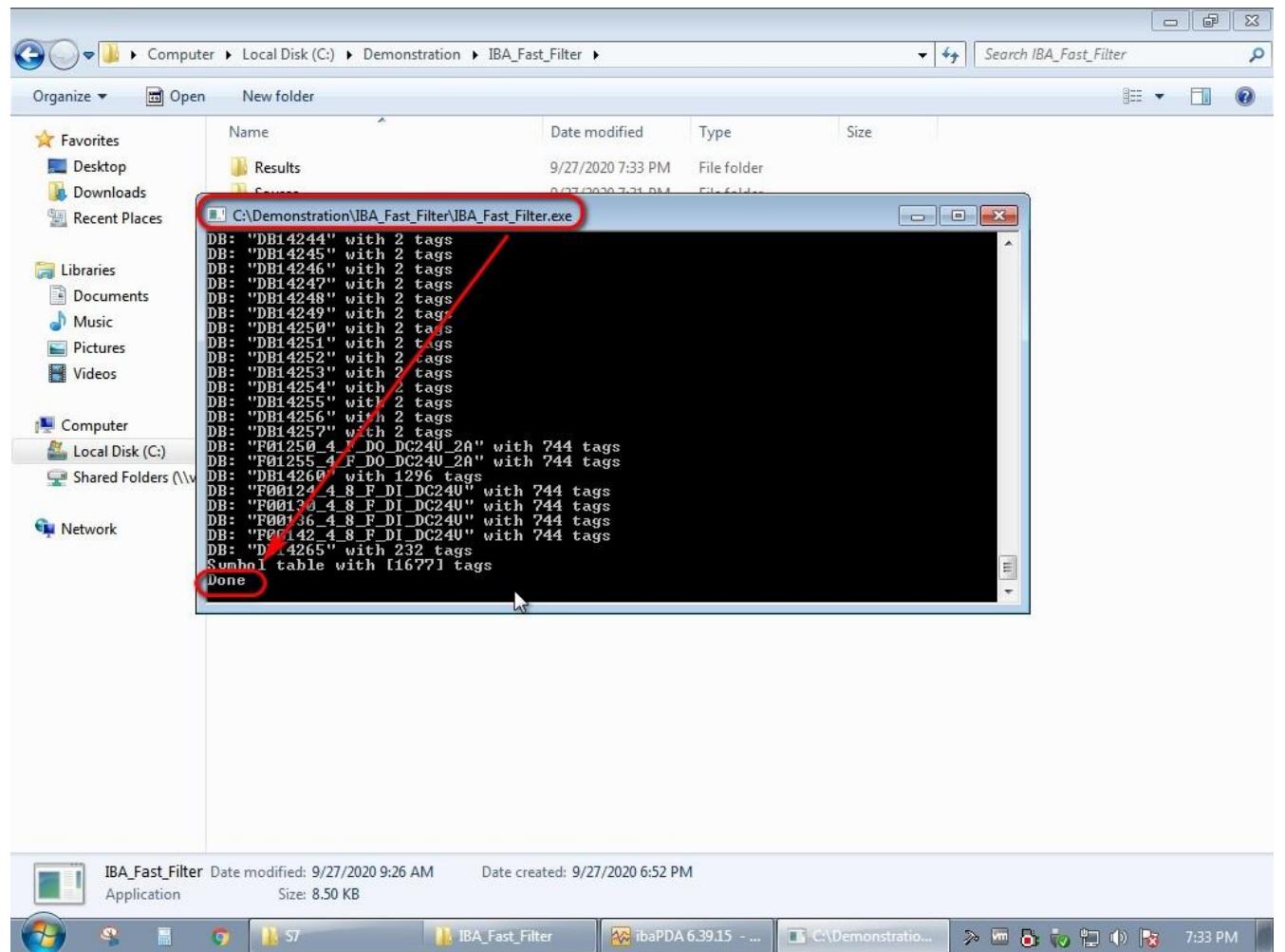
11. Paste the file into Source folder.



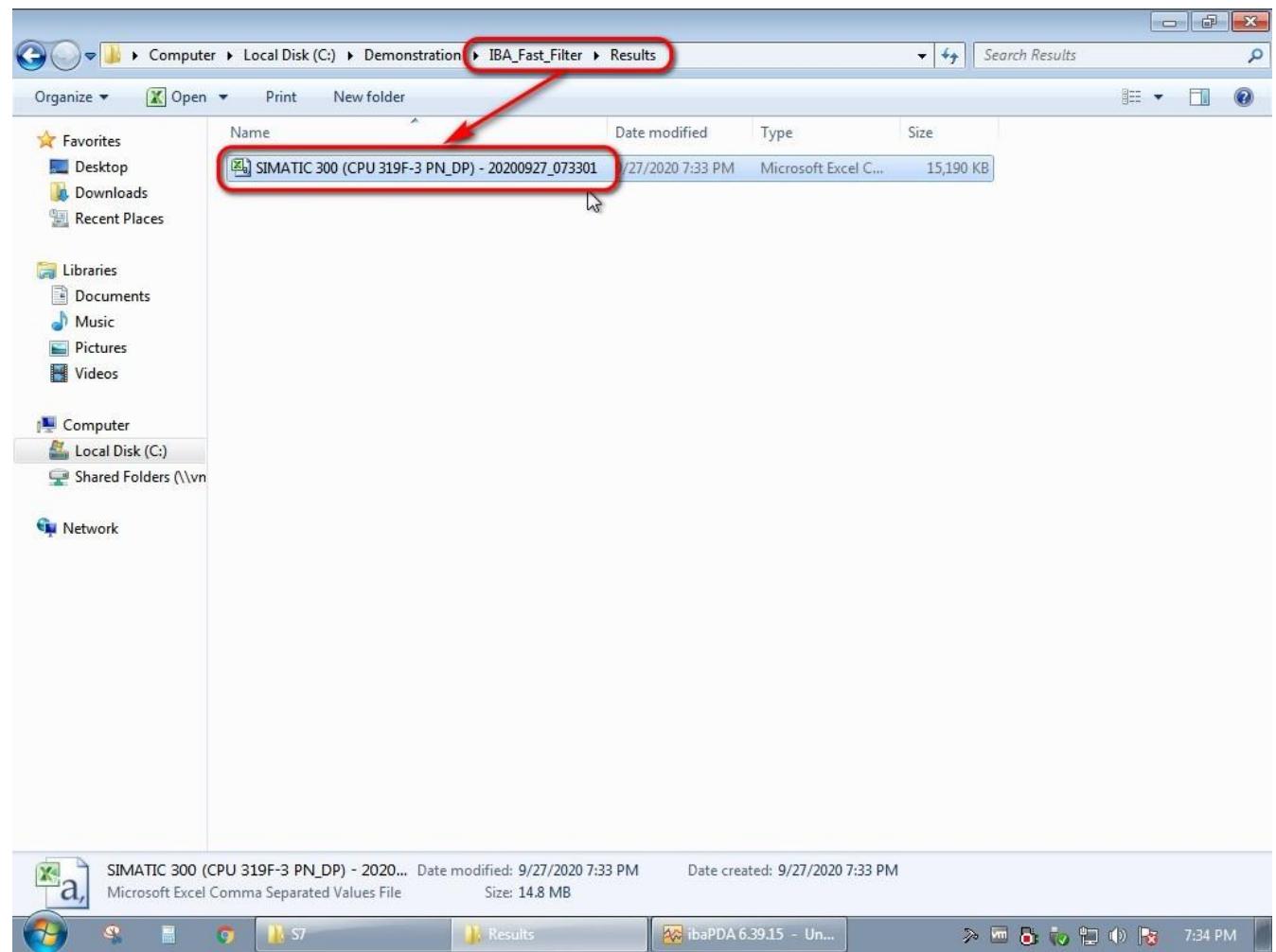
12. Start program “IBA_Fast_Filter”.



13. The program will make special files, waiting, when program will finish files. On screen you will see "Done".



14. Files will be in Results folder.



15. Open this file.

16. For better filtering will make smart table: first select all data, go to “Insert” -> “Tables” -> “Table”.

SIMATIC 300 (CPU 319F-3 PN_DP) - 20200927_073301 - Microsoft Excel

File Home Insert Page Layout Formulas Data Review View

PivotTable Table Picture Clip Art SmartArt Column Line Area Bar Other Charts Sparklines Filter Links Text Box Header & Footer Object Text Symbols

A1 fx Name

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O |
|----|------------|---------------|--------------------|---------------|----------|------------|-------------|---|---|---|---|---|---|---|---|
| 1 | Name | Unit | Comment | Comment | S7Symbol | S7DataType | S7Operand | | | | | | | | |
| 2 | OB35t1 | | timestamp beginnin | DBS\GDB#TIME | | | DB35.DBDO | | | | | | | | |
| 3 | OB35t2 | | timestamp end of | OB35\GDB#TIME | | | DB35.DBDO4 | | | | | | | | |
| 4 | OB35DeltaT | | Runtimemeasureme | DBS\GDB#TIME | | | DB35.DBDO8 | | | | | | | | |
| 5 | OB1t1 | | timestamp beginnin | DBS\GDB#TIME | | | DB35.DBDO12 | | | | | | | | |
| 6 | OB1t2 | | timestamp end of | OB1\GDB#TIME | | | DB35.DBDO16 | | | | | | | | |
| 7 | OB1DeltaT | | Runtimemeasureme | DBS\GDB#TIME | | | DB35.DBDO20 | | | | | | | | |
| 8 | DATA_FIELD | Internal info | DBS\HDB# BYTE | | | | DB220.DB80 | | | | | | | | |
| 9 | DATA_FIELD | Internal info | DBS\HDB# BYTE | | | | DB220.DB81 | | | | | | | | |
| 10 | DATA_FIELD | Internal info | DBS\HDB# BYTE | | | | DB220.DB82 | | | | | | | | |
| 11 | DATA_FIELD | Internal info | DBS\HDB# BYTE | | | | DB220.DB83 | | | | | | | | |
| 12 | DATA_FIELD | Internal info | DBS\HDB# BYTE | | | | DB220.DB84 | | | | | | | | |
| 13 | DATA_FIELD | Internal info | DBS\HDB# BYTE | | | | DB220.DB85 | | | | | | | | |
| 14 | DATA_FIELD | Internal info | DBS\HDB# BYTE | | | | DB220.DB86 | | | | | | | | |
| 15 | DATA_FIELD | Internal info | DBS\HDB# BYTE | | | | DB220.DB87 | | | | | | | | |
| 16 | DATA_FIELD | Internal info | DBS\HDB# BYTE | | | | DB220.DB88 | | | | | | | | |
| 17 | DATA_FIELD | Internal info | DBS\HDB# BYTE | | | | DB220.DB89 | | | | | | | | |
| 18 | DATA_FIELD | Internal info | DBS\HDB# BYTE | | | | DB220.DB90 | | | | | | | | |
| 19 | DATA_FIELD | Internal info | DBS\HDB# BYTE | | | | DB220.DB91 | | | | | | | | |
| 20 | DATA_FIELD | Internal info | DBS\HDB# BYTE | | | | DB220.DB92 | | | | | | | | |
| 21 | DATA_FIELD | Internal info | DBS\HDB# BYTE | | | | DB220.DB93 | | | | | | | | |
| 22 | DATA_FIELD | Internal info | DBS\HDB# BYTE | | | | DB220.DB94 | | | | | | | | |
| 23 | DATA_FIELD | Internal info | DBS\HDB# BYTE | | | | DB220.DB95 | | | | | | | | |
| 24 | DATA_FIELD | Internal info | DBS\HDB# BYTE | | | | DB220.DB96 | | | | | | | | |
| 25 | DATA_FIELD | Internal info | DBS\HDB# BYTE | | | | DB220.DB97 | | | | | | | | |
| 26 | DATA_FIELD | Internal info | DBS\HDB# BYTE | | | | DB220.DB98 | | | | | | | | |

Count: 671522 100% 7:35 PM

SIMATIC 300 (CPU 319F-3 PN_DP) - 20200927_073301 - Microsoft ...

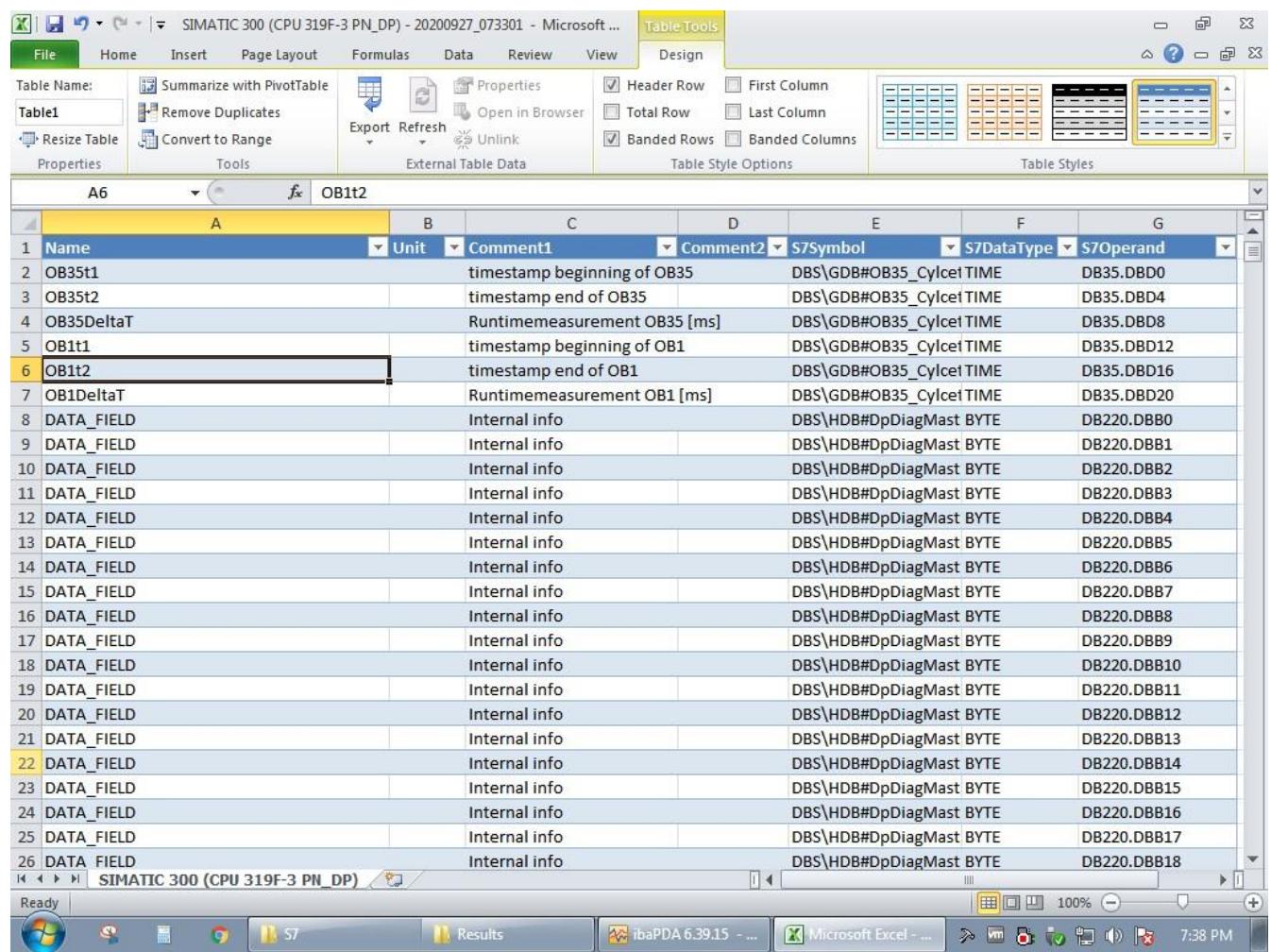
File Home Insert Page Layout Formulas Data Review View Design

Table Name: Table1 Summarize with PivotTable Remove Duplicates Resize Table Convert to Range Properties Tools Export Refresh Unlink External Table Data Table Style Options Table Styles

| | A | B | C | D | E | F | G | H | I | J | K | L | M | |
|----|------------|---------------|----------------------------|-----------------|----------|------------|-------------|---|---|---|---|---|---|--|
| 1 | Name | Unit | Comment1 | Comment2 | S7Symbol | S7DataType | S7Operand | | | | | | | |
| 2 | OB35t1 | | timestamp beginning of OB3 | DBS\GDB#OE TIME | | | DB35.DBDO | | | | | | | |
| 3 | OB35t2 | | timestamp end of OB35 | DBS\GDB#OE TIME | | | DB35.DBDO4 | | | | | | | |
| 4 | OB35DeltaT | | Runtimemeasurement OB35 | DBS\GDB#OE TIME | | | DB35.DBDO8 | | | | | | | |
| 5 | OB1t1 | | timestamp beginning of OB1 | DBS\GDB#OE TIME | | | DB35.DBDO12 | | | | | | | |
| 6 | OB1t2 | | timestamp end of OB1 | DBS\GDB#OE TIME | | | DB35.DBDO16 | | | | | | | |
| 7 | OB1DeltaT | | Runtimemeasurement OB1 | DBS\GDB#OE TIME | | | DB35.DBDO20 | | | | | | | |
| 8 | DATA_FIELD | Internal info | DBS\HDB#Dp BYTE | | | | DB220.DB80 | | | | | | | |
| 9 | DATA_FIELD | Internal info | DBS\HDB#Dp BYTE | | | | DB220.DB81 | | | | | | | |
| 10 | DATA_FIELD | Internal info | DBS\HDB#Dp BYTE | | | | DB220.DB82 | | | | | | | |
| 11 | DATA_FIELD | Internal info | DBS\HDB#Dp BYTE | | | | DB220.DB83 | | | | | | | |
| 12 | DATA_FIELD | Internal info | DBS\HDB#Dp BYTE | | | | DB220.DB84 | | | | | | | |
| 13 | DATA_FIELD | Internal info | DBS\HDB#Dp BYTE | | | | DB220.DB85 | | | | | | | |
| 14 | DATA_FIELD | Internal info | DBS\HDB#Dp BYTE | | | | DB220.DB86 | | | | | | | |
| 15 | DATA_FIELD | Internal info | DBS\HDB#Dp BYTE | | | | DB220.DB87 | | | | | | | |
| 16 | DATA_FIELD | Internal info | DBS\HDB#Dp BYTE | | | | DB220.DB88 | | | | | | | |
| 17 | DATA_FIELD | Internal info | DBS\HDB#Dp BYTE | | | | DB220.DB89 | | | | | | | |
| 18 | DATA_FIELD | Internal info | DBS\HDB#Dp BYTE | | | | DB220.DB90 | | | | | | | |
| 19 | DATA_FIELD | Internal info | DBS\HDB#Dp BYTE | | | | DB220.DB91 | | | | | | | |
| 20 | DATA_FIELD | Internal info | DBS\HDB#Dp BYTE | | | | DB220.DB92 | | | | | | | |
| 21 | DATA_FIELD | Internal info | DBS\HDB#Dp BYTE | | | | DB220.DB93 | | | | | | | |
| 22 | DATA_FIELD | Internal info | DBS\HDB#Dp BYTE | | | | DB220.DB94 | | | | | | | |
| 23 | DATA_FIELD | Internal info | DBS\HDB#Dp BYTE | | | | DB220.DB95 | | | | | | | |
| 24 | DATA_FIELD | Internal info | DBS\HDB#Dp BYTE | | | | DB220.DB96 | | | | | | | |
| 25 | DATA_FIELD | Internal info | DBS\HDB#Dp BYTE | | | | DB220.DB97 | | | | | | | |
| 26 | DATA_FIELD | Internal info | DBS\HDB#Dp BYTE | | | | DB220.DB98 | | | | | | | |

Count: 671522 100% 7:38 PM

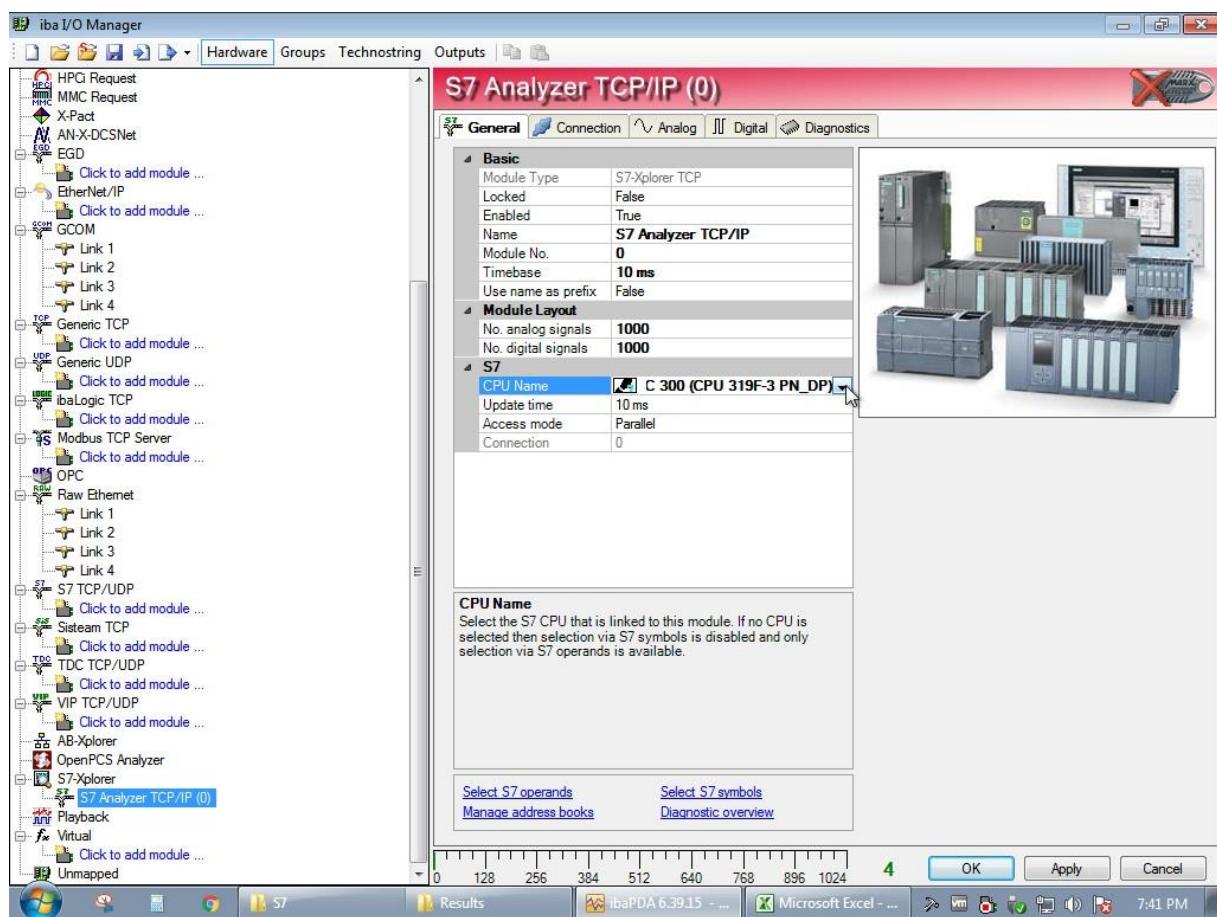
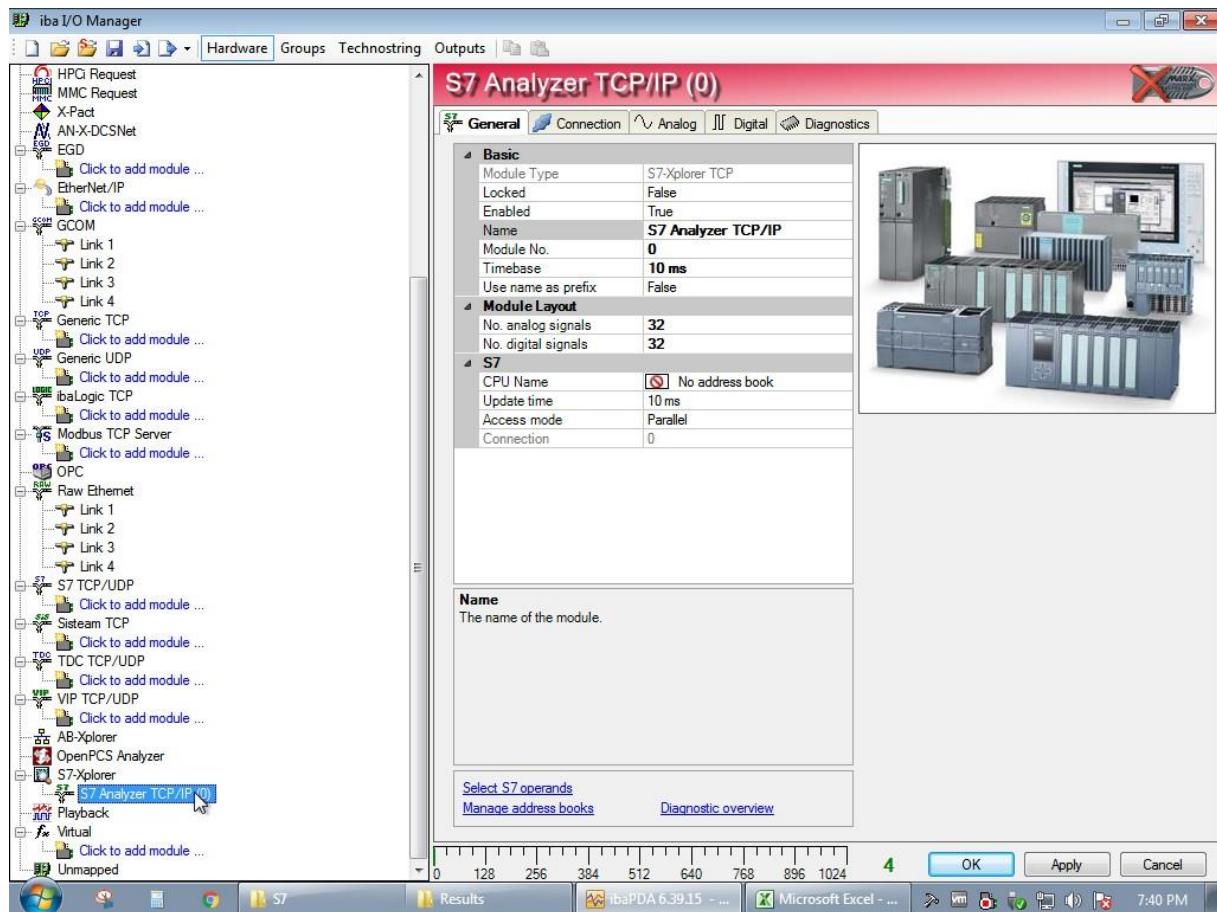
Adjusted how you want.



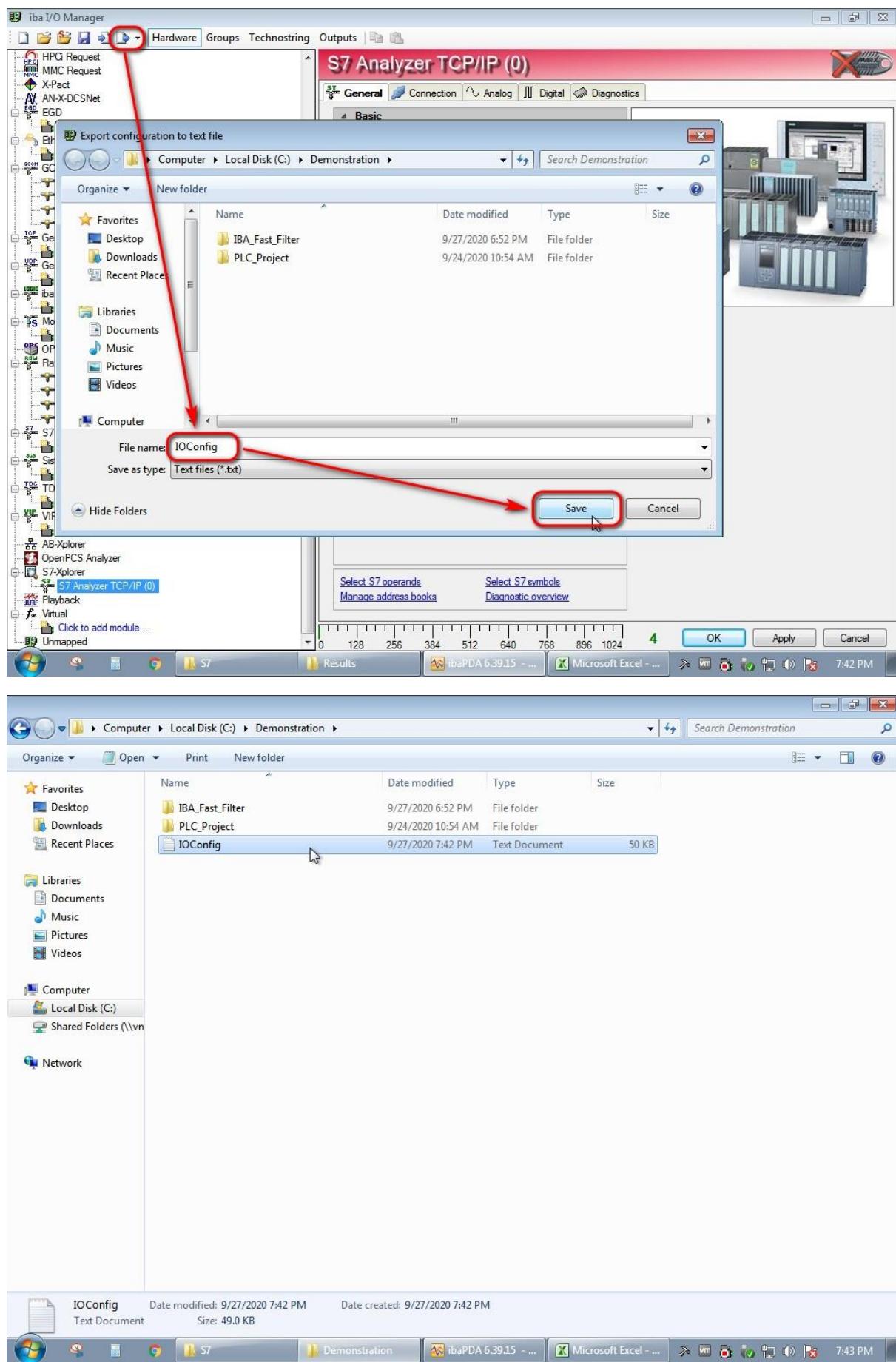
The screenshot shows a Microsoft Excel spreadsheet titled "SIMATIC 300 (CPU 319F-3 PN_DP) - 20200927_073301 - Microsoft ...". The ribbon is set to "Table Tools" and "Design". The table has 26 rows and 7 columns. The columns are labeled: A (Name), B (Unit), C (Comment1), D (Comment2), E (S7Symbol), F (S7DataType), and G (S7Operand). Row 6, which contains "OB1t2", is highlighted with a yellow background. The data in the table includes various OB parameters like OB35t1, OB35t2, OB35DeltaT, etc., along with their respective units, comments, and memory locations.

| | A | B | C | D | E | F | G |
|----|------------|------|--------------------------------|----------|-------------------------|------------|-------------|
| 1 | Name | Unit | Comment1 | Comment2 | S7Symbol | S7DataType | S7Operand |
| 2 | OB35t1 | | timestamp beginning of OB35 | | DBS\GDB#OB35_CycleTIME | | DB35.DBDO |
| 3 | OB35t2 | | timestamp end of OB35 | | DBS\GDB#OB35_CycleTIME | | DB35.DBDO |
| 4 | OB35DeltaT | | Runtimememeasurement OB35 [ms] | | DBS\GDB#OB35_CycleTIME | | DB35.DBDO |
| 5 | OB1t1 | | timestamp beginning of OB1 | | DBS\GDB#OB35_CycleTIME | | DB35.DBDO |
| 6 | OB1t2 | | timestamp end of OB1 | | DBS\GDB#OB35_CycleTIME | | DB35.DBDO |
| 7 | OB1DeltaT | | Runtimememeasurement OB1 [ms] | | DBS\GDB#OB35_CycleTIME | | DB35.DBDO |
| 8 | DATA_FIELD | | Internal info | | DBS\HDB#DpDiagMast BYTE | | DB220.DBB0 |
| 9 | DATA_FIELD | | Internal info | | DBS\HDB#DpDiagMast BYTE | | DB220.DBB1 |
| 10 | DATA_FIELD | | Internal info | | DBS\HDB#DpDiagMast BYTE | | DB220.DBB2 |
| 11 | DATA_FIELD | | Internal info | | DBS\HDB#DpDiagMast BYTE | | DB220.DBB3 |
| 12 | DATA_FIELD | | Internal info | | DBS\HDB#DpDiagMast BYTE | | DB220.DBB4 |
| 13 | DATA_FIELD | | Internal info | | DBS\HDB#DpDiagMast BYTE | | DB220.DBB5 |
| 14 | DATA_FIELD | | Internal info | | DBS\HDB#DpDiagMast BYTE | | DB220.DBB6 |
| 15 | DATA_FIELD | | Internal info | | DBS\HDB#DpDiagMast BYTE | | DB220.DBB7 |
| 16 | DATA_FIELD | | Internal info | | DBS\HDB#DpDiagMast BYTE | | DB220.DBB8 |
| 17 | DATA_FIELD | | Internal info | | DBS\HDB#DpDiagMast BYTE | | DB220.DBB9 |
| 18 | DATA_FIELD | | Internal info | | DBS\HDB#DpDiagMast BYTE | | DB220.DBB10 |
| 19 | DATA_FIELD | | Internal info | | DBS\HDB#DpDiagMast BYTE | | DB220.DBB11 |
| 20 | DATA_FIELD | | Internal info | | DBS\HDB#DpDiagMast BYTE | | DB220.DBB12 |
| 21 | DATA_FIELD | | Internal info | | DBS\HDB#DpDiagMast BYTE | | DB220.DBB13 |
| 22 | DATA_FIELD | | Internal info | | DBS\HDB#DpDiagMast BYTE | | DB220.DBB14 |
| 23 | DATA_FIELD | | Internal info | | DBS\HDB#DpDiagMast BYTE | | DB220.DBB15 |
| 24 | DATA_FIELD | | Internal info | | DBS\HDB#DpDiagMast BYTE | | DB220.DBB16 |
| 25 | DATA_FIELD | | Internal info | | DBS\HDB#DpDiagMast BYTE | | DB220.DBB17 |
| 26 | DATA_FIELD | | Internal info | | DBS\HDB#DpDiagMast BYTE | | DB220.DBB18 |

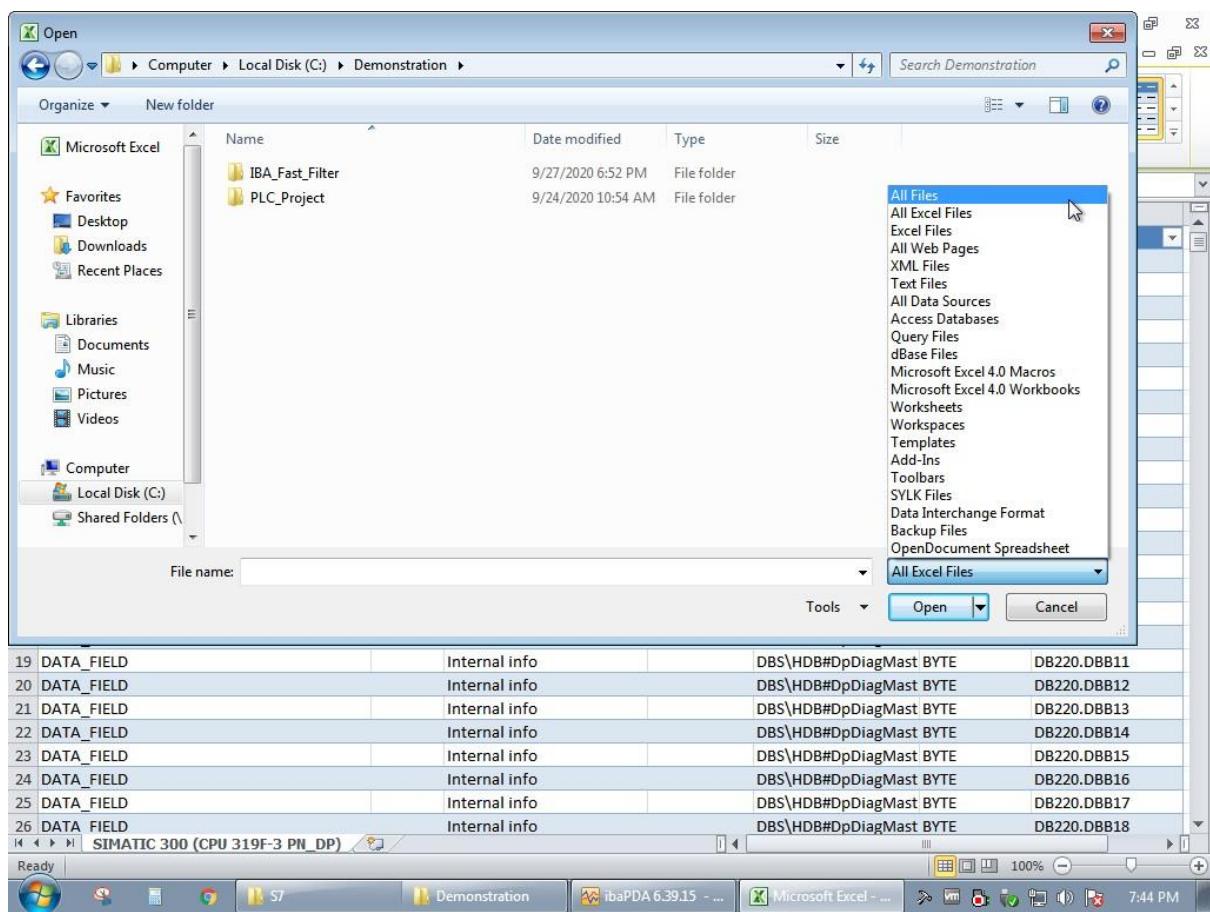
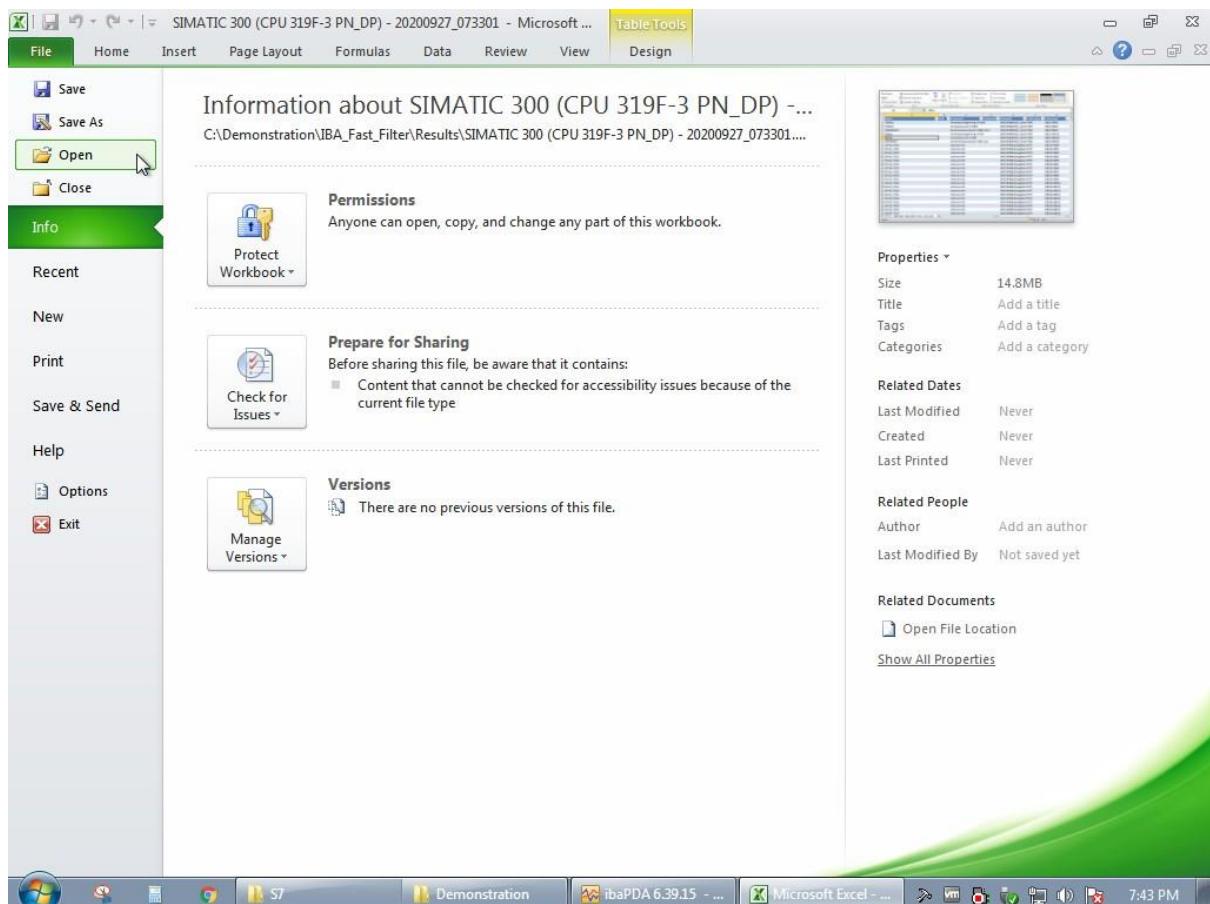
17. Add “S7 Analyzer TCP/IP” into “I/O Manager” -> “S7-Xplorer”. Choose address book for CPU Name and set maximum of analog and digital signals (1000).

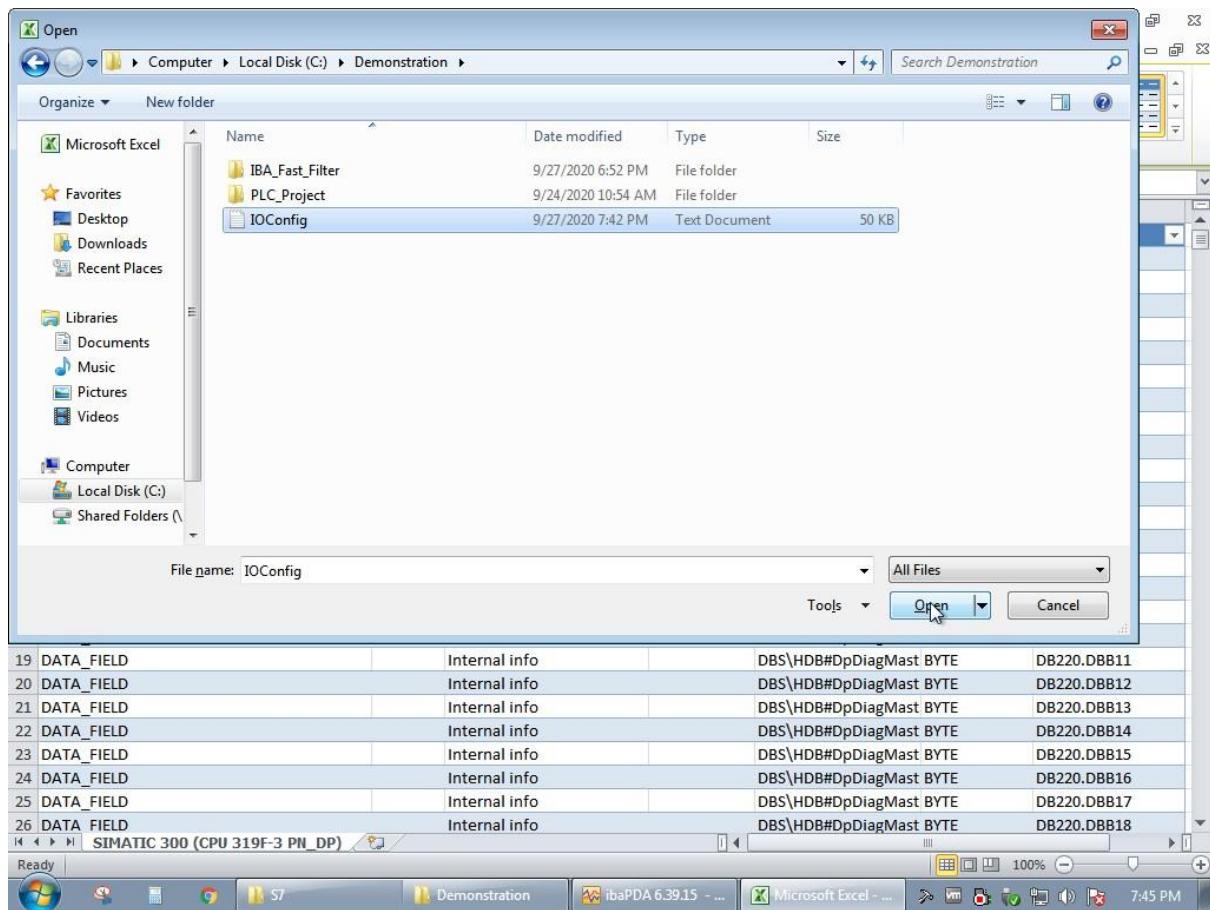


18. Make export configuration into txt file.



19. Open this file with Excel.





File Home Insert Page Layout Formulas Data Review View Design

Table Name: Table1

Table Tools

Table Style Options

Table Styles

Text Import Wizard - Step 1 of 3

The Text Wizard has determined that your data is Delimited.

If this is correct, choose Next, or choose the data type that best describes your data.

Original data type:

Choose the file type that best describes your data:

Delimited - Characters such as commas or tabs separate each field.
 Fixed width - Fields are aligned in columns with spaces between each field.

Start import at row: 1 File origin: 437 : OEM United States

Preview of file C:\Demonstration\IOConfig.txt.

```

1 ModuleNrModuleNameTypeModuleNrAnalogueNrDigitalNrLink1IfLink0IfLink1Enable
2 DPDA6_S7AnaTcpS7_Analyzer TCP/IP10001000-1795162112-1794899968110
3 NrActiveNameUnitComment1Comment2S7Symbol1S7DataTypeS7OperandScale
4 D1DB 172.DBW 30INTDB 172.DBW 301000
5 S1DB 172.DBW 28INTDB 172.DBW 281000

```

Cancel < Back Next > Finish

| | | | | |
|----|------------|---------------|-------------------------|-------------|
| 19 | DATA_FIELD | Internal info | DBS\HDB#DpDiagMast.BYTE | DB220.DBB11 |
| 20 | DATA_FIELD | Internal info | DBS\HDB#DpDiagMast.BYTE | DB220.DBB12 |
| 21 | DATA_FIELD | Internal info | DBS\HDB#DpDiagMast.BYTE | DB220.DBB13 |
| 22 | DATA_FIELD | Internal info | DBS\HDB#DpDiagMast.BYTE | DB220.DBB14 |
| 23 | DATA_FIELD | Internal info | DBS\HDB#DpDiagMast.BYTE | DB220.DBB15 |
| 24 | DATA_FIELD | Internal info | DBS\HDB#DpDiagMast.BYTE | DB220.DBB16 |
| 25 | DATA_FIELD | Internal info | DBS\HDB#DpDiagMast.BYTE | DB220.DBB17 |
| 26 | DATA_FIELD | Internal info | DBS\HDB#DpDiagMast.BYTE | DB220.DBB18 |

SIMATIC 300 (CPU 319F-3 PN_DP) - 20200927_073301 - Microsoft ...

Table Tools

Design

Table Name: Table1

Summarize with PivotTable

Remove Duplicates

Resize Table

Convert to Range

Properties

Tools

Header Row

First Column

Total Row

Last Column

Banded Rows

Banded Columns

Table Style Options

Table Styles

Text Import Wizard - Step 2 of 3

This screen lets you set the delimiters your data contains. You can see how your text is affected in the preview below.

Delimiters

Tab

Semicolon

Comma

Space

Other:

Treat consecutive delimiters as one

Text qualifier:

Data preview

| ModuleNr | ModuleType | ModuleName | NrAnalog | NrDigital | ItfLink0 | ItfLink1 | Unit | Comment1 | Comment2 | Symbol |
|----------|---------------|--------------------|----------|-----------|----------|----------|------|----------|----------|-----------|
| 0 | PDA6_S7AnaTcp | S7 Analyzer TCP/IP | 1000 | 1000 | -1.8E+09 | -1.8E+09 | 1 | 100000 | 5000 | SIMATIC 3 |
| Nr | Active | Name | | | | | | | | |
| 0 | 1 | DB 172.DBW 30 | | | | | | | | |
| 1 | 1 | DB 172.DBW 28 | | | | | | | | |

Cancel **< Back** **Next >** **Finish**

Ready

100% 7:47 PM

IOConfig - Microsoft Excel

File Home Insert Page Layout Formulas Data Review View

Clipboard Font Alignment Number Styles Cells Editing

C4

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | |
|----|----------|----------|-------------|----------|-----------|----------|----------|----------|-----------|-----------|-----------|-----------|--------|----------|-----------|----|
| 1 | ModuleNr | ModuleTy | ModuleN | NrAnalog | NrDigital | ItfLink0 | ItfLink1 | Enabled | Timebase | Timeout | CpuName | SwapMod | Locked | AsyncMoc | Connectic | Ac |
| 2 | 0 | PDA6_S7A | S7 Analyzer | 1000 | 1000 | -1.8E+09 | -1.8E+09 | 1 | 100000 | 5000 | SIMATIC 3 | 0 | 0 | 0 | 0 | |
| 3 | Nr | Active | Name | Unit | Comment | Comment | S7Symbol | S7Operan | ScaleGain | ScaleOffs | VisualMin | VisualMax | | | | |
| 4 | 0 | 0 | | | | | INT | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 5 | 1 | 0 | | | | | INT | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 6 | 2 | 0 | | | | | INT | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 7 | 3 | 0 | | | | | INT | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 8 | 4 | 0 | | | | | INT | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 9 | 5 | 0 | | | | | INT | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 10 | 6 | 0 | | | | | INT | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 11 | 7 | 0 | | | | | INT | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 12 | 8 | 0 | | | | | INT | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 13 | 9 | 0 | | | | | INT | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 14 | 10 | 0 | | | | | INT | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 15 | 11 | 0 | | | | | INT | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 16 | 12 | 0 | | | | | INT | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 17 | 13 | 0 | | | | | INT | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 18 | 14 | 0 | | | | | INT | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 19 | 15 | 0 | | | | | INT | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 20 | 16 | 0 | | | | | INT | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 21 | 17 | 0 | | | | | INT | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 22 | 18 | 0 | | | | | INT | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 23 | 19 | 0 | | | | | INT | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 24 | 20 | 0 | | | | | INT | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 25 | 21 | 0 | | | | | INT | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 26 | 22 | 0 | | | | | INT | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | |

Ready 100% 7:48 PM

20. Choose analog signals from csv file by filters and copy it to configuration file.

| A | B | C | D | E | F | G | |
|--------|---------------|------|---------------------------------|----------|-------------------------|--------------|-----------|
| 1 | Name | Unit | Comment1 | Comment2 | S7Symbol | S7DataType | S7Operand |
| 42023 | SDor1LckMnAt | | Main Attribute - Door Locked 1 | | DBS\HDB#Dz180Hmi0t DINT | DB4000.DBD36 | |
| 42024 | SDor2LckMnAt | +/- | Main Attribute - Door Locked 2 | | DBS\HDB#Dz180Hmi0t DINT | DB4000.DBD40 | |
| 42025 | SDor3LckMnAt | | Main Attribute - Door Locked 3 | | DBS\HDB#Dz180Hmi0t DINT | DB4000.DBD44 | |
| 42026 | SDor4LckMnAt | | Main Attribute - Door Locked 4 | | DBS\HDB#Dz180Hmi0t DINT | DB4000.DBD48 | |
| 42027 | SDor5LckMnAt | | Main Attribute - Door Locked 5 | | DBS\HDB#Dz180Hmi0t DINT | DB4000.DBD52 | |
| 42028 | SDor6LckMnAt | | Main Attribute - Door Locked 6 | | DBS\HDB#Dz180Hmi0t DINT | DB4000.DBD56 | |
| 42029 | SDor7LckMnAt | | Main Attribute - Door Locked 7 | | DBS\HDB#Dz180Hmi0t DINT | DB4000.DBD60 | |
| 42030 | SDor8LckMnAt | | Main Attribute - Door Locked 8 | | DBS\HDB#Dz180Hmi0t DINT | DB4000.DBD64 | |
| 42031 | SDor9LckMnAt | | Main Attribute - Door Locked 9 | | DBS\HDB#Dz180Hmi0t DINT | DB4000.DBD68 | |
| 42032 | SDor10LckMnAt | | Main Attribute - Door Locked 10 | | DBS\HDB#Dz180Hmi0t DINT | DB4000.DBD72 | |
| 42033 | SDor11LckMnAt | | Main Attribute - Door Locked 11 | | DBS\HDB#Dz180Hmi0t DINT | DB4000.DBD76 | |
| 42034 | SDor12LckMnAt | | Main Attribute - Door Locked 12 | | DBS\HDB#Dz180Hmi0t DINT | DB4000.DBD80 | |
| 42035 | SDor13LckMnAt | | Main Attribute - Door Locked 13 | | DBS\HDB#Dz180Hmi0t DINT | DB4000.DBD84 | |
| 42036 | SDor14LckMnAt | | Main Attribute - Door Locked 14 | | DBS\HDB#Dz180Hmi0t DINT | DB4000.DBD88 | |
| 42037 | SDor15LckMnAt | | Main Attribute - Door Locked 15 | | DBS\HDB#Dz180Hmi0t DINT | DB4000.DBD92 | |
| 42038 | SDor16LckMnAt | | Main Attribute - Door Locked 16 | | DBS\HDB#Dz180Hmi0t DINT | DB4000.DBD96 | |
| 156330 | | | | | | | |
| 156331 | | | | | | | |
| 156332 | | | | | | | |
| 156333 | | | | | | | |
| 156334 | | | | | | | |
| 156335 | | | | | | | |
| 156336 | | | | | | | |
| 156337 | | | | | | | |
| 156338 | | | | | | | |

| A | B | C | D | E | F | G | |
|--------|---------------|------|---------------------------------|----------|-------------------------|--------------|-----------|
| 1 | Name | Unit | Comment1 | Comment2 | S7Symbol | S7DataType | S7Operand |
| 42023 | SDor1LckMnAt | | Main Attribute - Door Locked 1 | | DBS\HDB#Dz180Hmi0t DINT | DB4000.DBD36 | |
| 42024 | SDor2LckMnAt | +/- | Main Attribute - Door Locked 2 | | DBS\HDB#Dz180Hmi0t DINT | DB4000.DBD40 | |
| 42025 | SDor3LckMnAt | | Main Attribute - Door Locked 3 | | DBS\HDB#Dz180Hmi0t DINT | DB4000.DBD44 | |
| 42026 | SDor4LckMnAt | | Main Attribute - Door Locked 4 | | DBS\HDB#Dz180Hmi0t DINT | DB4000.DBD48 | |
| 42027 | SDor5LckMnAt | | Main Attribute - Door Locked 5 | | DBS\HDB#Dz180Hmi0t DINT | DB4000.DBD52 | |
| 42028 | SDor6LckMnAt | +/- | Main Attribute - Door Locked 6 | | DBS\HDB#Dz180Hmi0t DINT | DB4000.DBD56 | |
| 42029 | SDor7LckMnAt | | Main Attribute - Door Locked 7 | | DBS\HDB#Dz180Hmi0t DINT | DB4000.DBD60 | |
| 42030 | SDor8LckMnAt | | Main Attribute - Door Locked 8 | | DBS\HDB#Dz180Hmi0t DINT | DB4000.DBD64 | |
| 42031 | SDor9LckMnAt | | Main Attribute - Door Locked 9 | | DBS\HDB#Dz180Hmi0t DINT | DB4000.DBD68 | |
| 42032 | SDor10LckMnAt | | Main Attribute - Door Locked 10 | | DBS\HDB#Dz180Hmi0t DINT | DB4000.DBD72 | |
| 42033 | SDor11LckMnAt | | Main Attribute - Door Locked 11 | | DBS\HDB#Dz180Hmi0t DINT | DB4000.DBD76 | |
| 42034 | SDor12LckMnAt | | Main Attribute - Door Locked 12 | | DBS\HDB#Dz180Hmi0t DINT | DB4000.DBD80 | |
| 42035 | SDor13LckMnAt | | Main Attribute - Door Locked 13 | | DBS\HDB#Dz180Hmi0t DINT | DB4000.DBD84 | |
| 42036 | SDor14LckMnAt | | Main Attribute - Door Locked 14 | | DBS\HDB#Dz180Hmi0t DINT | DB4000.DBD88 | |
| 42037 | SDor15LckMnAt | | Main Attribute - Door Locked 15 | | DBS\HDB#Dz180Hmi0t DINT | DB4000.DBD92 | |
| 42038 | SDor16LckMnAt | | Main Attribute - Door Locked 16 | | DBS\HDB#Dz180Hmi0t DINT | DB4000.DBD96 | |
| 156330 | | | | | | | |
| 156331 | | | | | | | |
| 156332 | | | | | | | |
| 156333 | | | | | | | |
| 156334 | | | | | | | |
| 156335 | | | | | | | |
| 156336 | | | | | | | |
| 156337 | | | | | | | |
| 156338 | | | | | | | |

IOConfig - Microsoft Excel

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | |
|----|----------|------------|---------------|----------|------------------------------------|----------|-----------|-----------|----------|-----------|-----------|-----------|-----------|----------|-----------|----|
| 1 | ModuleNr | ModuleTy | ModuleNr | NrAnalog | NrDigital | ItfLink0 | ItfLink1 | Enabled | Timebase | Timeout | CpuName | SwapMod | Locked | AsyncMoc | Connectic | Ac |
| 2 | 0 | PDA6_S7A57 | S7 Analyze | 1000 | 1000 | -1.8E+09 | -1.8E+09 | 1 | 100000 | 5000 | SIMATIC 3 | 0 | 0 | 0 | 0 | 0 |
| 3 | Nr | Active | Name | Unit | Comment | Comment | S7Symbol | S7DataTyp | S7Operan | ScaleGain | ScaleOffs | VisualMin | VisualMax | | | |
| 4 | 0 | 0 | SDor1LckMnAt | | Main Attribute - Doc DBS\HDB# DINT | | DB4000.DI | | | 1 | 0 | 0 | 0 | | | |
| 5 | 1 | 0 | SDor2LckMnAt | | Main Attribute - Doc DBS\HDB# DINT | | DB4000.DI | | | 1 | 0 | 0 | 0 | | | |
| 6 | 2 | 0 | SDor3LckMnAt | | Main Attribute - Doc DBS\HDB# DINT | | DB4000.DI | | | 1 | 0 | 0 | 0 | | | |
| 7 | 3 | 0 | SDor4LckMnAt | | Main Attribute - Doc DBS\HDB# DINT | | DB4000.DI | | | 1 | 0 | 0 | 0 | | | |
| 8 | 4 | 0 | SDor5LckMnAt | | Main Attribute - Doc DBS\HDB# DINT | | DB4000.DI | | | 1 | 0 | 0 | 0 | | | |
| 9 | 5 | 0 | SDor6LckMnAt | | Main Attribute - Doc DBS\HDB# DINT | | DB4000.DI | | | 1 | 0 | 0 | 0 | | | |
| 10 | 6 | 0 | SDor7LckMnAt | | Main Attribute - Doc DBS\HDB# DINT | | DB4000.DI | | | 1 | 0 | 0 | 0 | | | |
| 11 | 7 | 0 | SDor8LckMnAt | | Main Attribute - Doc DBS\HDB# DINT | | DB4000.DI | | | 1 | 0 | 0 | 0 | | | |
| 12 | 8 | 0 | SDor9LckMnAt | | Main Attribute - Doc DBS\HDB# DINT | | DB4000.DI | | | 1 | 0 | 0 | 0 | | | |
| 13 | 9 | 0 | SDor10LckMnAt | | Main Attribute - Doc DBS\HDB# DINT | | DB4000.DI | | | 1 | 0 | 0 | 0 | | | |
| 14 | 10 | 0 | SDor11LckMnAt | | Main Attribute - Doc DBS\HDB# DINT | | DB4000.DI | | | 1 | 0 | 0 | 0 | | | |
| 15 | 11 | 0 | SDor12LckMnAt | | Main Attribute - Doc DBS\HDB# DINT | | DB4000.DI | | | 1 | 0 | 0 | 0 | | | |
| 16 | 12 | 0 | SDor13LckMnAt | | Main Attribute - Doc DBS\HDB# DINT | | DB4000.DI | | | 1 | 0 | 0 | 0 | | | |
| 17 | 13 | 0 | SDor14LckMnAt | | Main Attribute - Doc DBS\HDB# DINT | | DB4000.DI | | | 1 | 0 | 0 | 0 | | | |
| 18 | 14 | 0 | SDor15LckMnAt | | Main Attribute - Doc DBS\HDB# DINT | | DB4000.DI | | | 1 | 0 | 0 | 0 | | | |
| 19 | 15 | 0 | SDor16LckMnAt | | Main Attribute - Doc DBS\HDB# DINT | | DB4000.DI | | | 1 | 0 | 0 | 0 | | | |
| 20 | 16 | 0 | | | | | INT | | | | 1 | 0 | 0 | 0 | | |
| 21 | 17 | 0 | | | | | INT | | | | 1 | 0 | 0 | 0 | | |
| 22 | 18 | 0 | | | | | INT | | | | 1 | 0 | 0 | 0 | | |
| 23 | 19 | 0 | | | | | INT | | | | 1 | 0 | 0 | 0 | | |
| 24 | 20 | 0 | | | | | INT | | | | 1 | 0 | 0 | 0 | | |
| 25 | 21 | 0 | | | | | INT | | | | 1 | 0 | 0 | 0 | | |
| 26 | 22 | 0 | | | | | INT | | | | 1 | 0 | 0 | 0 | | |

Activate it in configuration.

IOConfig - Microsoft Excel

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | |
|----|----------|------------|---------------|----------|------------------------------------|----------|-----------|-----------|----------|-----------|-----------|-----------|-----------|----------|-----------|----|
| 1 | ModuleNr | ModuleTy | ModuleNr | NrAnalog | NrDigital | ItfLink0 | ItfLink1 | Enabled | Timebase | Timeout | CpuName | SwapMod | Locked | AsyncMoc | Connectic | Ac |
| 2 | 0 | PDA6_S7A57 | S7 Analyze | 1000 | 1000 | -1.8E+09 | -1.8E+09 | 1 | 100000 | 5000 | SIMATIC 3 | 0 | 0 | 0 | 0 | 0 |
| 3 | Nr | Active | Name | Unit | Comment | Comment | S7Symbol | S7DataTyp | S7Operan | ScaleGain | ScaleOffs | VisualMin | VisualMax | | | |
| 4 | 0 | 1 | SDor1LckMnAt | | Main Attribute - Doc DBS\HDB# DINT | | DB4000.DI | | | 1 | 0 | 0 | 0 | | | |
| 5 | 1 | 1 | SDor2LckMnAt | | Main Attribute - Doc DBS\HDB# DINT | | DB4000.DI | | | 1 | 0 | 0 | 0 | | | |
| 6 | 2 | 1 | SDor3LckMnAt | | Main Attribute - Doc DBS\HDB# DINT | | DB4000.DI | | | 1 | 0 | 0 | 0 | | | |
| 7 | 3 | 1 | SDor4LckMnAt | | Main Attribute - Doc DBS\HDB# DINT | | DB4000.DI | | | 1 | 0 | 0 | 0 | | | |
| 8 | 4 | 1 | SDor5LckMnAt | | Main Attribute - Doc DBS\HDB# DINT | | DB4000.DI | | | 1 | 0 | 0 | 0 | | | |
| 9 | 5 | 1 | SDor6LckMnAt | | Main Attribute - Doc DBS\HDB# DINT | | DB4000.DI | | | 1 | 0 | 0 | 0 | | | |
| 10 | 6 | 1 | SDor7LckMnAt | | Main Attribute - Doc DBS\HDB# DINT | | DB4000.DI | | | 1 | 0 | 0 | 0 | | | |
| 11 | 7 | 1 | SDor8LckMnAt | | Main Attribute - Doc DBS\HDB# DINT | | DB4000.DI | | | 1 | 0 | 0 | 0 | | | |
| 12 | 8 | 1 | SDor9LckMnAt | | Main Attribute - Doc DBS\HDB# DINT | | DB4000.DI | | | 1 | 0 | 0 | 0 | | | |
| 13 | 9 | 1 | SDor10LckMnAt | | Main Attribute - Doc DBS\HDB# DINT | | DB4000.DI | | | 1 | 0 | 0 | 0 | | | |
| 14 | 10 | 1 | SDor11LckMnAt | | Main Attribute - Doc DBS\HDB# DINT | | DB4000.DI | | | 1 | 0 | 0 | 0 | | | |
| 15 | 11 | 1 | SDor12LckMnAt | | Main Attribute - Doc DBS\HDB# DINT | | DB4000.DI | | | 1 | 0 | 0 | 0 | | | |
| 16 | 12 | 1 | SDor13LckMnAt | | Main Attribute - Doc DBS\HDB# DINT | | DB4000.DI | | | 1 | 0 | 0 | 0 | | | |
| 17 | 13 | 1 | SDor14LckMnAt | | Main Attribute - Doc DBS\HDB# DINT | | DB4000.DI | | | 1 | 0 | 0 | 0 | | | |
| 18 | 14 | 1 | SDor15LckMnAt | | Main Attribute - Doc DBS\HDB# DINT | | DB4000.DI | | | 1 | 0 | 0 | 0 | | | |
| 19 | 15 | 1 | SDor16LckMnAt | | Main Attribute - Doc DBS\HDB# DINT | | DB4000.DI | | | 1 | 0 | 0 | 0 | | | |
| 20 | 16 | 0 | | | | | INT | | | | 1 | 0 | 0 | 0 | | |
| 21 | 17 | 0 | | | | | INT | | | | 1 | 0 | 0 | 0 | | |
| 22 | 18 | 0 | | | | | INT | | | | 1 | 0 | 0 | 0 | | |
| 23 | 19 | 0 | | | | | INT | | | | 1 | 0 | 0 | 0 | | |
| 24 | 20 | 0 | | | | | INT | | | | 1 | 0 | 0 | 0 | | |
| 25 | 21 | 0 | | | | | INT | | | | 1 | 0 | 0 | 0 | | |
| 26 | 22 | 0 | | | | | INT | | | | 1 | 0 | 0 | 0 | | |

Average: 1 Count: 16 Sum: 16

21. Same do with digital signals.

| | A | B | C | D | E | F | G |
|------|------------------|------|--------------------------------------|----------|-------------------------------|----------------|-----------|
| 1 | Name | Unit | Comment1 | Comment2 | S7Symbol | S7DataType | S7Operand |
| 1707 | Int001S_PrecUdly | | Safety circuit - Condition Undelayed | | DB\\$\\GDB#Dz180Sta\\In! BOOL | DB1000.DBX8.2 | |
| 1747 | Int001E_PrecUdly | | Safety circuit - Condition Undelayed | | DB\\$\\GDB#Dz180Sta\\In! BOOL | DB1000.DBX13.2 | |
| 1787 | Lc322PrecUdly | | Safety circuit - Condition Undelayed | | DB\\$\\GDB#Dz180Sta\\Lc! BOOL | DB1000.DBX18.2 | |
| 1827 | Lc004PrecUdly | | Safety circuit - Condition Undelayed | | DB\\$\\GDB#Dz180Sta\\Lc! BOOL | DB1000.DBX23.2 | |
| 1867 | Lc005PrecUdly | | Safety circuit - Condition Undelayed | | DB\\$\\GDB#Dz180Sta\\Lc! BOOL | DB1000.DBX28.2 | |
| 1907 | Lc006PrecUdly | | Safety circuit - Condition Undelayed | | DB\\$\\GDB#Dz180Sta\\Lc! BOOL | DB1000.DBX33.2 | |
| 1947 | Lc007PrecUdly | | Safety circuit - Condition Undelayed | | DB\\$\\GDB#Dz180Sta\\Lc! BOOL | DB1000.DBX38.2 | |
| 1987 | Lc008PrecUdly | | Safety circuit - Condition Undelayed | | DB\\$\\GDB#Dz180Sta\\Lc! BOOL | DB1000.DBX43.2 | |
| 2027 | Lc009PrecUdly | | Safety circuit - Condition Undelayed | | DB\\$\\GDB#Dz180Sta\\Lc! BOOL | DB1000.DBX48.2 | |
| 2067 | Lc010PrecUdly | | Safety circuit - Condition Undelayed | | DB\\$\\GDB#Dz180Sta\\Lc! BOOL | DB1000.DBX53.2 | |
| 2107 | Lc011PrecUdly | | Safety circuit - Condition Undelayed | | DB\\$\\GDB#Dz180Sta\\Lc! BOOL | DB1000.DBX58.2 | |
| 2147 | Lc012PrecUdly | | Safety circuit - Condition Undelayed | | DB\\$\\GDB#Dz180Sta\\Lc! BOOL | DB1000.DBX63.2 | |
| 2187 | Lc013PrecUdly | | Safety circuit - Condition Undelayed | | DB\\$\\GDB#Dz180Sta\\Lc! BOOL | DB1000.DBX68.2 | |
| 2227 | Lc014PrecUdly | | Safety circuit - Condition Undelayed | | DB\\$\\GDB#Dz180Sta\\Lc! BOOL | DB1000.DBX73.2 | |
| 2267 | Lc015PrecUdly | | Safety circuit - Condition Undelayed | | DB\\$\\GDB#Dz180Sta\\Lc! BOOL | DB1000.DBX78.2 | |
| 2307 | Lc016PrecUdly | | Safety circuit - Condition Undelayed | | DB\\$\\GDB#Dz180Sta\\Lc! BOOL | DB1020.DBX83.2 | |
| 3065 | Int001PrecUdly | | Safety circuit - Condition Undelayed | | DB\\$\\GDB#Dz195Sta\\In! BOOL | DB1020.DBX8.2 | |
| 3105 | Int002PrecUdly | | Safety circuit - Condition Undelayed | | DB\\$\\GDB#Dz195Sta\\In! BOOL | DB1020.DBX13.2 | |
| 3145 | Lc003PrecUdly | | Safety circuit - Condition Undelayed | | DB\\$\\GDB#Dz195Sta\\Lc! BOOL | DB1020.DBX18.2 | |
| 3185 | Lc004PrecUdly | | Safety circuit - Condition Undelayed | | DB\\$\\GDB#Dz195Sta\\Lc! BOOL | DB1020.DBX23.2 | |
| 3225 | Lc005PrecUdly | | Safety circuit - Condition Undelayed | | DB\\$\\GDB#Dz195Sta\\Lc! BOOL | DB1020.DBX28.2 | |
| 3265 | Lc006PrecUdly | | Safety circuit - Condition Undelayed | | DB\\$\\GDB#Dz195Sta\\Lc! BOOL | DB1020.DBX33.2 | |
| 3305 | Lc007PrecUdly | | Safety circuit - Condition Undelayed | | DB\\$\\GDB#Dz195Sta\\Lc! BOOL | DB1020.DBX38.2 | |
| 3345 | Lc008PrecUdly | | Safety circuit - Condition Undelayed | | DB\\$\\GDB#Dz195Sta\\Lc! BOOL | DB1020.DBX43.2 | |
| 3385 | Lc009PrecUdly | | Safety circuit - Condition Undelayed | | DB\\$\\GDB#Dz195Sta\\Lc! BOOL | DB1020.DBX48.2 | |

Insertion should be after 1000 positions of analog tags.

| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O |
|------|-----|---|------------------|-----------------------|------------------|----------------|---|---|---|---|---|---|---|---|
| 994 | 990 | 0 | | | | INT | | | 1 | 0 | 0 | 0 | | |
| 995 | 991 | 0 | | | | INT | | | 1 | 0 | 0 | 0 | | |
| 996 | 992 | 0 | | | | INT | | | 1 | 0 | 0 | 0 | | |
| 997 | 993 | 0 | | | | INT | | | 1 | 0 | 0 | 0 | | |
| 998 | 994 | 0 | | | | INT | | | 1 | 0 | 0 | 0 | | |
| 999 | 995 | 0 | | | | INT | | | 1 | 0 | 0 | 0 | | |
| 1000 | 996 | 0 | | | | INT | | | 1 | 0 | 0 | 0 | | |
| 1001 | 997 | 0 | | | | INT | | | 1 | 0 | 0 | 0 | | |
| 1002 | 998 | 0 | | | | INT | | | 1 | 0 | 0 | 0 | | |
| 1003 | 999 | 0 | | | | INT | | | 1 | 0 | 0 | 0 | | |
| 1004 | 0 | 0 | Int001S_PrecUdly | Safety circuit - Cond | DB\\$\\GDB# BOOL | DB1000.DBX8.2 | | | | 0 | 0 | 0 | | |
| 1005 | 1 | 0 | Int001E_PrecUdly | Safety circuit - Cond | DB\\$\\GDB# BOOL | DB1000.DBX13.2 | | | | 0 | 0 | 0 | | |
| 1006 | 2 | 0 | Lc322PrecUdly | Safety circuit - Cond | DB\\$\\GDB# BOOL | DB1000.DBX18.2 | | | | 0 | 0 | 0 | | |
| 1007 | 3 | 0 | Lc004PrecUdly | Safety circuit - Cond | DB\\$\\GDB# BOOL | DB1000.DBX23.2 | | | | 0 | 0 | 0 | | |
| 1008 | 4 | 0 | Lc005PrecUdly | Safety circuit - Cond | DB\\$\\GDB# BOOL | DB1000.DBX28.2 | | | | 0 | 0 | 0 | | |
| 1009 | 5 | 0 | Lc006PrecUdly | Safety circuit - Cond | DB\\$\\GDB# BOOL | DB1000.DBX33.2 | | | | 0 | 0 | 0 | | |
| 1010 | 6 | 0 | Lc007PrecUdly | Safety circuit - Cond | DB\\$\\GDB# BOOL | DB1000.DBX38.2 | | | | 0 | 0 | 0 | | |
| 1011 | 7 | 0 | Lc008PrecUdly | Safety circuit - Cond | DB\\$\\GDB# BOOL | DB1000.DBX43.2 | | | | 0 | 0 | 0 | | |
| 1012 | 8 | 0 | Lc009PrecUdly | Safety circuit - Cond | DB\\$\\GDB# BOOL | DB1000.DBX48.2 | | | | 0 | 0 | 0 | | |
| 1013 | 9 | 0 | Lc010PrecUdly | Safety circuit - Cond | DB\\$\\GDB# BOOL | DB1000.DBX53.2 | | | | 0 | 0 | 0 | | |
| 1014 | 10 | 0 | Lc011PrecUdly | Safety circuit - Cond | DB\\$\\GDB# BOOL | DB1000.DBX58.2 | | | | 0 | 0 | 0 | | |
| 1015 | 11 | 0 | Lc012PrecUdly | Safety circuit - Cond | DB\\$\\GDB# BOOL | DB1000.DBX63.2 | | | | 0 | 0 | 0 | | |
| 1016 | 12 | 0 | Lc013PrecUdly | Safety circuit - Cond | DB\\$\\GDB# BOOL | DB1000.DBX68.2 | | | | 0 | 0 | 0 | | |
| 1017 | 13 | 0 | Lc014PrecUdly | Safety circuit - Cond | DB\\$\\GDB# BOOL | DB1000.DBX73.2 | | | | 0 | 0 | 0 | | |
| 1018 | 14 | 0 | Lc015PrecUdly | Safety circuit - Cond | DB\\$\\GDB# BOOL | DB1000.DBX78.2 | | | | 0 | 0 | 0 | | |
| 1019 | 15 | 0 | Lc016PrecUdly | Safety circuit - Cond | DB\\$\\GDB# BOOL | DB1000.DBX83.2 | | | | 0 | 0 | 0 | | |

Activate it.

IOConfig - Microsoft Excel

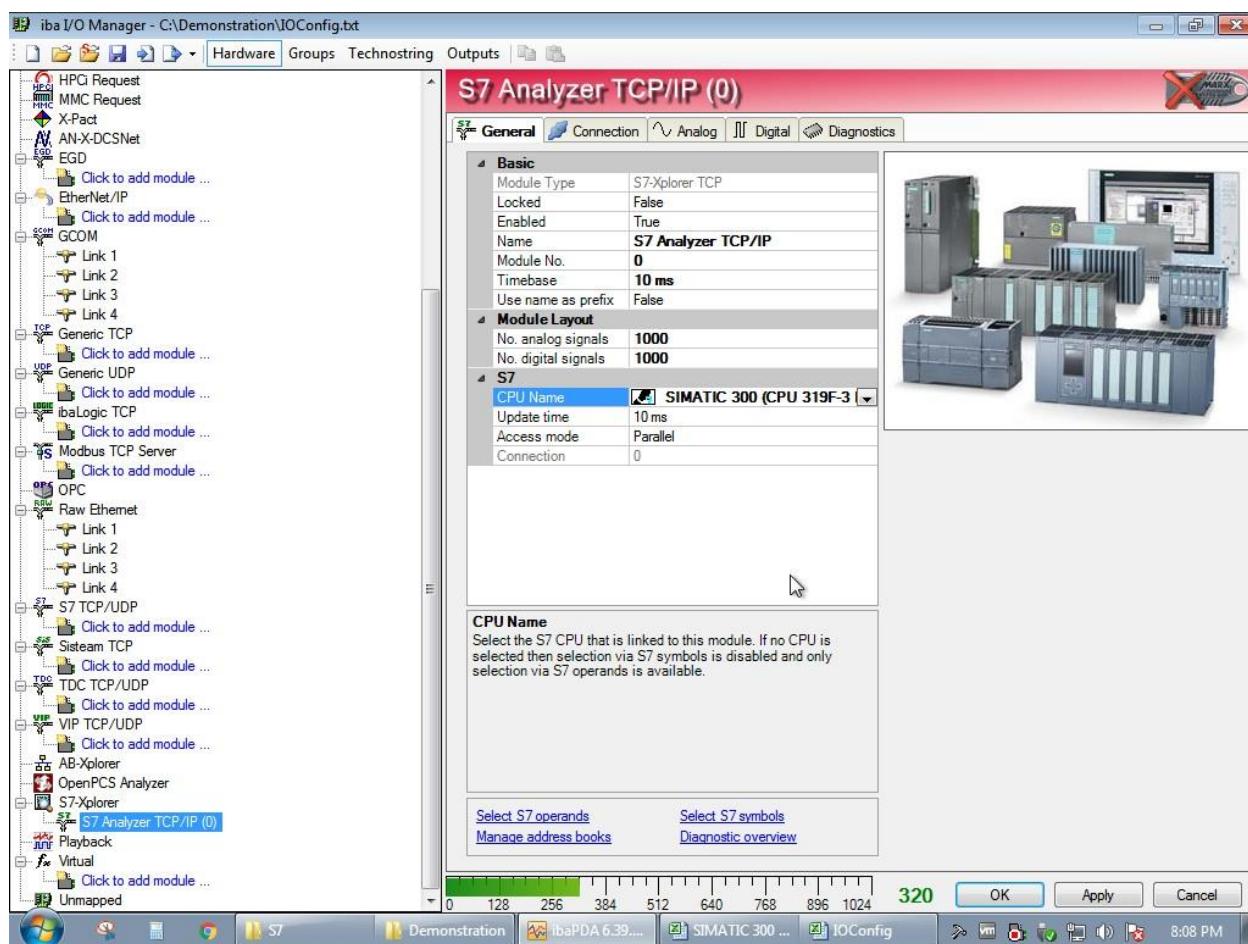
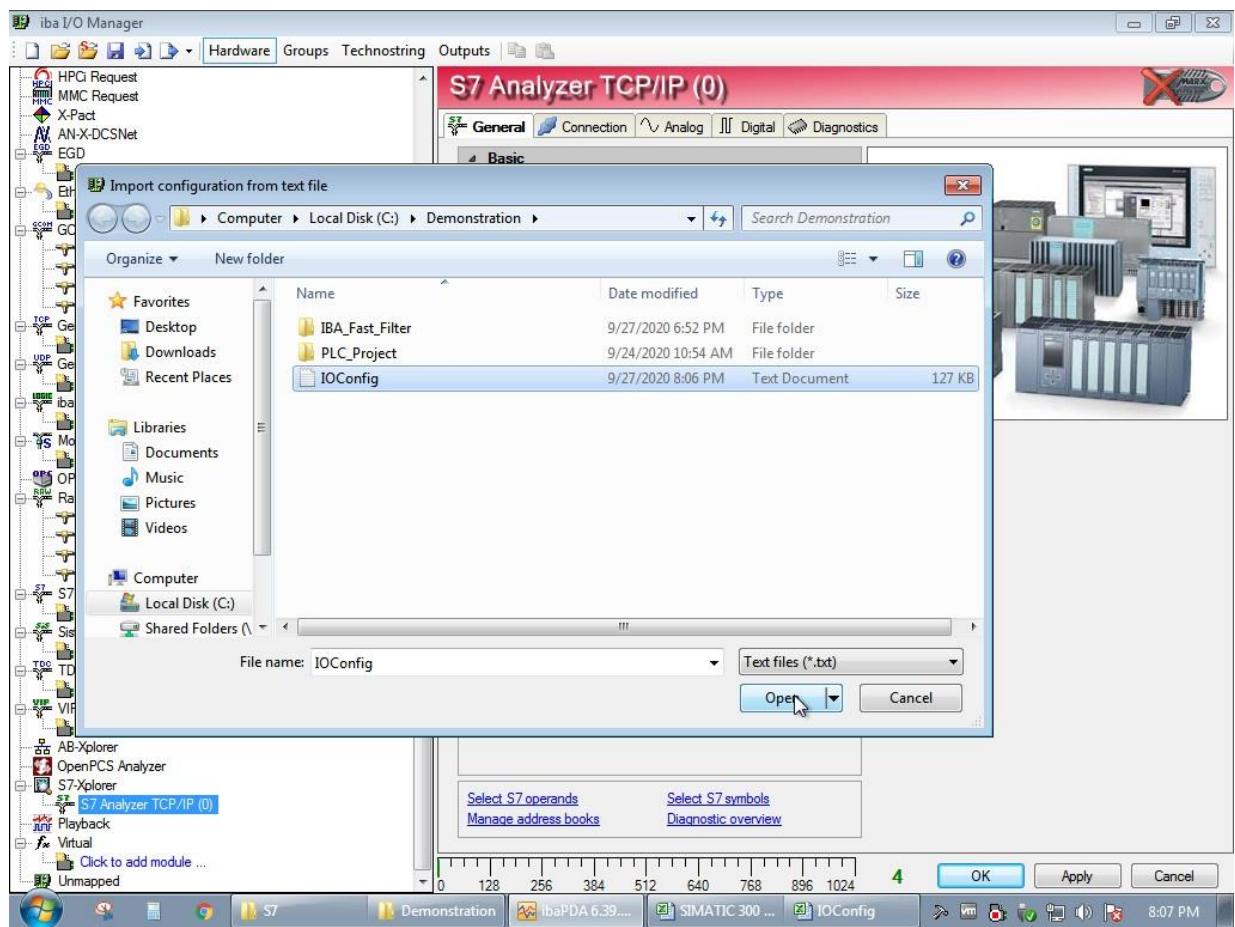
| B1307 | | | | | | | | | | | | | | |
|-------|-----|---|----------------|--------------------------------------|----------------|---|---|---|---|---|---|---|---|---|
| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O |
| 1290 | 286 | 1 | Lc015PrecUdly | Safety circuit - Condi DBS\GDB# BOOL | DB1440.DBX78.2 | | | 0 | 0 | | | | | |
| 1291 | 287 | 1 | Lc016PrecUdly | Safety circuit - Condi DBS\GDB# BOOL | DB1440.DBX83.2 | | | 0 | 0 | | | | | |
| 1292 | 288 | 1 | Int001PrecUdly | Safety circuit - Condi DBS\GDB# BOOL | DB1500.DBX8.2 | | | 0 | 0 | | | | | |
| 1293 | 289 | 1 | Lc002PrecUdly | Safety circuit - Condi DBS\GDB# BOOL | DB1500.DBX13.2 | | | 0 | 0 | | | | | |
| 1294 | 290 | 1 | Lc003PrecUdly | Safety circuit - Condi DBS\GDB# BOOL | DB1500.DBX18.2 | | | 0 | 0 | | | | | |
| 1295 | 291 | 1 | Lc004PrecUdly | Safety circuit - Condi DBS\GDB# BOOL | DB1500.DBX23.2 | | | 0 | 0 | | | | | |
| 1296 | 292 | 1 | Lc005PrecUdly | Safety circuit - Condi DBS\GDB# BOOL | DB1500.DBX28.2 | | | 0 | 0 | | | | | |
| 1297 | 293 | 1 | Lc006PrecUdly | Safety circuit - Condi DBS\GDB# BOOL | DB1500.DBX33.2 | | | 0 | 0 | | | | | |
| 1298 | 294 | 1 | Lc007PrecUdly | Safety circuit - Condi DBS\GDB# BOOL | DB1500.DBX38.2 | | | 0 | 0 | | | | | |
| 1299 | 295 | 1 | Lc008PrecUdly | Safety circuit - Condi DBS\GDB# BOOL | DB1500.DBX43.2 | | | 0 | 0 | | | | | |
| 1300 | 296 | 1 | Lc009PrecUdly | Safety circuit - Condi DBS\GDB# BOOL | DB1500.DBX48.2 | | | 0 | 0 | | | | | |
| 1301 | 297 | 1 | Lc010PrecUdly | Safety circuit - Condi DBS\GDB# BOOL | DB1500.DBX53.2 | | | 0 | 0 | | | | | |
| 1302 | 298 | 1 | Lc011PrecUdly | Safety circuit - Condi DBS\GDB# BOOL | DB1500.DBX58.2 | | | 0 | 0 | | | | | |
| 1303 | 299 | 1 | Lc012PrecUdly | Safety circuit - Condi DBS\GDB# BOOL | DB1500.DBX63.2 | | | 0 | 0 | | | | | |
| 1304 | 300 | 1 | Lc013PrecUdly | Safety circuit - Condi DBS\GDB# BOOL | DB1500.DBX68.2 | | | 0 | 0 | | | | | |
| 1305 | 301 | 1 | Lc014PrecUdly | Safety circuit - Condi DBS\GDB# BOOL | DB1500.DBX73.2 | | | 0 | 0 | | | | | |
| 1306 | 302 | 1 | Lc015PrecUdly | Safety circuit - Condi DBS\GDB# BOOL | DB1500.DBX78.2 | | | 0 | 0 | | | | | |
| 1307 | 303 | 1 | Lc016PrecUdly | Safety circuit - Condi DBS\GDB# BOOL | DB1500.DBX83.2 | | | 0 | 0 | | | | | |
| 1308 | 304 | 0 | +/- | | INT | | | | | | 0 | 0 | | |
| 1309 | 305 | 0 | + | | INT | | | | | | 0 | 0 | | |
| 1310 | 306 | 0 | | | INT | | | | | | 0 | 0 | | |
| 1311 | 307 | 0 | | | INT | | | | | | 0 | 0 | | |
| 1312 | 308 | 0 | | | INT | | | | | | 0 | 0 | | |
| 1313 | 309 | 0 | | | INT | | | | | | 0 | 0 | | |
| 1314 | 310 | 0 | | | INT | | | | | | 0 | 0 | | |
| 1315 | 311 | 0 | | | INT | | | | | | 0 | 0 | | |

22. Save configuration file with previous format and import it back.

Screenshot of Microsoft Excel showing the 'IOConfig - Microsoft Excel' spreadsheet. The spreadsheet contains data for a SIMATIC 300 module, specifically for the 'Lc003PrecUDly' configuration. A dialog box titled 'Microsoft Excel' is displayed, asking if the user wants to keep the workbook in the current format (Text (Tab delimited)). The dialog provides three options: 'Yes' (selected), 'No', and 'Help'. The 'Yes' button is highlighted with a blue border.

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O |
|----|----------|------------|---------------|------------------------------------|-----------|----------|----------|-----------|----------|-----------|------------|-----------|-----------|----------|--------------|
| 1 | ModuleNr | ModuleTy | ModuleN: | NrAnalog | NrDigital | ItfLink0 | ItfLink1 | Enabled | Timebase | Timeout | CpuName | SwapMod | Locked | AsyncMoc | Connectic Ac |
| 2 | 0 | PDA6_S7AS7 | Analyze | 1000 | 1000 | -1.8E+09 | -1.8E+09 | 1 | 100000 | 5000 | SIMATIC 3 | 0 | 0 | 0 | 0 |
| 3 | Nr | Active | Name | Unit | Comment | Comment | S7Symbol | S7DataTyp | S7Operan | ScaleGain | ScaleOffst | VisualMin | VisualMax | | |
| 4 | 0 | 1 | SDor1LckMnAt | Main Attribute - Doc DBS\HDB# DINT | DB4000.DI | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | 1 | 1 | SDor2LckMnAt | Main Attribute - Doc DBS\HDB# DINT | DB4000.DI | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | 2 | 1 | SDor3LckMnAt | Main Attribute - Doc DBS\HDB# DINT | DB4000.DI | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | 3 | 1 | SDor4LckMnAt | Main Attribute - Doc DBS\HDB# DINT | DB4000.DI | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 | 4 | 1 | SDor5Lc | Main Attribute - Doc DBS\HDB# DINT | DB4000.DI | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 | 5 | 1 | SDor6Lc | Main Attribute - Doc DBS\HDB# DINT | DB4000.DI | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 | 6 | 1 | SDor7Lc | Main Attribute - Doc DBS\HDB# DINT | DB4000.DI | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 | 7 | 1 | SDor8Lc | Main Attribute - Doc DBS\HDB# DINT | DB4000.DI | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 | 8 | 1 | SDor9Lc | Main Attribute - Doc DBS\HDB# DINT | DB4000.DI | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | 9 | 1 | SDor10L | Main Attribute - Doc DBS\HDB# DINT | DB4000.DI | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 | 10 | 1 | SDor11L | Main Attribute - Doc DBS\HDB# DINT | DB4000.DI | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 | 11 | 1 | SDor12LckMnAt | Main Attribute - Doc DBS\HDB# DINT | DB4000.DI | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 | 12 | 1 | SDor13LckMnAt | Main Attribute - Doc DBS\HDB# DINT | DB4000.DI | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 | 13 | 1 | SDor14LckMnAt | Main Attribute - Doc DBS\HDB# DINT | DB4000.DI | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 | 14 | 1 | SDor15LckMnAt | Main Attribute - Doc DBS\HDB# DINT | DB4000.DI | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 | 15 | 1 | SDor16LckMnAt | Main Attribute - Doc DBS\HDB# DINT | DB4000.DI | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 | 16 | 0 | | INT | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 | 17 | 0 | | INT | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 | 18 | 0 | | INT | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 | 19 | 0 | | INT | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 | 20 | 0 | | INT | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 | 21 | 0 | | INT | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 | 22 | 0 | | INT | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Screenshot of the 'iba I/O Manager' software interface. The main window shows the 'S7 Analyzer TCP/IP (0)' configuration. On the left, a tree view lists various communication protocols and their modules. The 'Hardware' tab is selected. The right side displays the configuration details for the S7 Analyzer module, including its basic settings (Module Type: S7-Xplorer TCP, Name: S7 Analyzer TCP/IP, Module No.: 0, Timebase: 10 ms), module layout (No. analog signals: 1000, No. digital signals: 1000), and S7 settings (CPU Name: SIMATIC 300 (CPU 319F-3)). An image of the hardware components is shown on the right. At the bottom, there are buttons for 'OK', 'Apply', and 'Cancel'.



23. Now you can check signals. All should be inside in Analog and digital page.

S7 Analyzer TCP/IP (0)

| Name | Unit | Gain | Of... | S7 Symbol | S7 Operand | S7 DataT... | Active |
|------------------|------|------|-------|--------------------------|----------------|-------------|-------------------------------------|
| 0 SDor1LckMnAt | | 1 | 0 | DBS\HDB#Dz180HmOut\$D... | DB 4000,DBD 36 | DINT | <input checked="" type="checkbox"/> |
| 1 SDor2LckMnAt | | 1 | 0 | DBS\HDB#Dz180HmOut\$D... | DB 4000,DBD 40 | DINT | <input checked="" type="checkbox"/> |
| 2 SDor3LckMnAt | | 1 | 0 | DBS\HDB#Dz180HmOut\$D... | DB 4000,DBD 44 | DINT | <input checked="" type="checkbox"/> |
| 3 SDor4LckMnAt | | 1 | 0 | DBS\HDB#Dz180HmOut\$D... | DB 4000,DBD 48 | DINT | <input checked="" type="checkbox"/> |
| 4 SDor5LckMnAt | | 1 | 0 | DBS\HDB#Dz180HmOut\$D... | DB 4000,DBD 52 | DINT | <input checked="" type="checkbox"/> |
| 5 SDor6LckMnAt | | 1 | 0 | DBS\HDB#Dz180HmOut\$D... | DB 4000,DBD 56 | DINT | <input checked="" type="checkbox"/> |
| 6 SDor7LckMnAt | | 1 | 0 | DBS\HDB#Dz180HmOut\$D... | DB 4000,DBD 60 | DINT | <input checked="" type="checkbox"/> |
| 7 SDor8LckMnAt | | 1 | 0 | DBS\HDB#Dz180HmOut\$D... | DB 4000,DBD 64 | DINT | <input checked="" type="checkbox"/> |
| 8 SDor9LckMnAt | | 1 | 0 | DBS\HDB#Dz180HmOut\$D... | DB 4000,DBD 68 | DINT | <input checked="" type="checkbox"/> |
| 9 SDor10LckMnAt | | 1 | 0 | DBS\HDB#Dz180HmOut\$D... | DB 4000,DBD 72 | DINT | <input checked="" type="checkbox"/> |
| 10 SDor11LckMnAt | | 1 | 0 | DBS\HDB#Dz180HmOut\$D... | DB 4000,DBD 76 | DINT | <input checked="" type="checkbox"/> |
| 11 SDor12LckMnAt | | 1 | 0 | DBS\HDB#Dz180HmOut\$D... | DB 4000,DBD 80 | DINT | <input checked="" type="checkbox"/> |
| 12 SDor13LckMnAt | | 1 | 0 | DBS\HDB#Dz180HmOut\$D... | DB 4000,DBD 84 | DINT | <input checked="" type="checkbox"/> |
| 13 SDor14LckMnAt | | 1 | 0 | DBS\HDB#Dz180HmOut\$D... | DB 4000,DBD 88 | DINT | <input checked="" type="checkbox"/> |
| 14 SDor15LckMnAt | | 1 | 0 | DBS\HDB#Dz180HmOut\$D... | DB 4000,DBD 92 | DINT | <input checked="" type="checkbox"/> |
| 15 SDor16LckMnAt | | 1 | 0 | DBS\HDB#Dz180HmOut\$D... | DB 4000,DBD 96 | DINT | <input checked="" type="checkbox"/> |
| 16 | | 1 | 0 | | | INT | <input type="checkbox"/> |
| 17 | | 1 | 0 | | | INT | <input type="checkbox"/> |
| 18 | | 1 | 0 | | | INT | <input type="checkbox"/> |
| 19 | | 1 | 0 | | | INT | <input type="checkbox"/> |
| 20 | | 1 | 0 | | | INT | <input type="checkbox"/> |
| 21 | | 1 | 0 | | | INT | <input type="checkbox"/> |
| 22 | | 1 | 0 | | | INT | <input type="checkbox"/> |
| 23 | | 1 | 0 | | | INT | <input type="checkbox"/> |
| 24 | | 1 | 0 | | | INT | <input type="checkbox"/> |
| 25 | | 1 | 0 | | | INT | <input type="checkbox"/> |
| 26 | | 1 | 0 | | | INT | <input type="checkbox"/> |
| 27 | | 1 | 0 | | | INT | <input type="checkbox"/> |

320 OK Apply Cancel

S7 Analyzer TCP/IP (0)

| Name | S7 Symbol | S7 Operand | Active |
|--------------------|------------------------------------|------------------|-------------------------------------|
| 288 Int001PrecUdly | DB\\$GDB#Dz901Sta\\$Int001PrecUdly | DB 1500,DBX 8.2 | <input checked="" type="checkbox"/> |
| 289 Lc002PrecUdly | DB\\$GDB#Dz901Sta\\$c002PrecUdly | DB 1500,DBX 13.2 | <input checked="" type="checkbox"/> |
| 290 Lc003PrecUdly | DB\\$GDB#Dz901Sta\\$c003PrecUdly | DB 1500,DBX 18.2 | <input checked="" type="checkbox"/> |
| 291 Lc004PrecUdly | DB\\$GDB#Dz901Sta\\$c004PrecUdly | DB 1500,DBX 23.2 | <input checked="" type="checkbox"/> |
| 292 Lc005PrecUdly | DB\\$GDB#Dz901Sta\\$c005PrecUdly | DB 1500,DBX 28.2 | <input checked="" type="checkbox"/> |
| 293 Lc006PrecUdly | DB\\$GDB#Dz901Sta\\$c006PrecUdly | DB 1500,DBX 33.2 | <input checked="" type="checkbox"/> |
| 294 Lc007PrecUdly | DB\\$GDB#Dz901Sta\\$c007PrecUdly | DB 1500,DBX 38.2 | <input checked="" type="checkbox"/> |
| 295 Lc008PrecUdly | DB\\$GDB#Dz901Sta\\$c008PrecUdly | DB 1500,DBX 43.2 | <input checked="" type="checkbox"/> |
| 296 Lc009PrecUdly | DB\\$GDB#Dz901Sta\\$c009PrecUdly | DB 1500,DBX 48.2 | <input checked="" type="checkbox"/> |
| 297 Lc010PrecUdly | DB\\$GDB#Dz901Sta\\$c010PrecUdly | DB 1500,DBX 53.2 | <input checked="" type="checkbox"/> |
| 298 Lc011PrecUdly | DB\\$GDB#Dz901Sta\\$c011PrecUdly | DB 1500,DBX 58.2 | <input checked="" type="checkbox"/> |
| 299 Lc012PrecUdly | DB\\$GDB#Dz901Sta\\$c012PrecUdly | DB 1500,DBX 63.2 | <input checked="" type="checkbox"/> |
| 300 Lc013PrecUdly | DB\\$GDB#Dz901Sta\\$c013PrecUdly | DB 1500,DBX 68.2 | <input checked="" type="checkbox"/> |
| 301 Lc014PrecUdly | DB\\$GDB#Dz901Sta\\$c014PrecUdly | DB 1500,DBX 73.2 | <input checked="" type="checkbox"/> |
| 302 Lc015PrecUdly | DB\\$GDB#Dz901Sta\\$c015PrecUdly | DB 1500,DBX 78.2 | <input checked="" type="checkbox"/> |
| 303 Lc016PrecUdly | DB\\$GDB#Dz901Sta\\$c016PrecUdly | DB 1500,DBX 83.2 | <input checked="" type="checkbox"/> |
| 304 | | | <input type="checkbox"/> |
| 305 | | | <input type="checkbox"/> |
| 306 | | | <input type="checkbox"/> |
| 307 | | | <input type="checkbox"/> |
| 308 | | | <input type="checkbox"/> |
| 309 | | | <input type="checkbox"/> |
| 310 | | | <input type="checkbox"/> |
| 311 | | | <input type="checkbox"/> |
| 312 | | | <input type="checkbox"/> |
| 313 | | | <input type="checkbox"/> |
| 314 | | | <input type="checkbox"/> |

320 OK Apply Cancel

24. Now you need only decrease amount of signals according actual amount and press "OK".

